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**PHASE I ENVIRONMENTAL SITE ASSESSMENT
PARCEL SY4-044
4500 BLOCK SWANSON BLVD.
HOUSTON, TEXAS**

Prepared for
City of Houston
Department of Public Works & Engineering
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SUMMARY

Tolunay-Wong Engineers, Inc., (TWEI) was requested by the City of Houston, Department of Public Works and Engineering, Geo-Environmental Branch (CoH), to conduct a Phase I Environmental Site Assessment (Phase I ESA) Parcel SY4-044 in the 4500 block of Swanson Street in Houston, Texas.

The purpose of the Phase I ESA was to document environmental conditions of the Site and adjacent properties. This was done by identifying, to the extent feasible, pursuant to the process described in the *American Society for Testing and Materials (ASTM) Standard Practice for ESA's (ASTM E-1527-00)*, Recognized Environmental Conditions (RECs) at the Site.

The work for this report was conducted in accordance with TWEI Proposal No. P04-E081 dated September 14, 2004, as authorized by Mr. Michael K. Ho on September 21, 2004. Work was executed in general accordance with the guidelines in *ASTM-E-1527-00* and with the *City of Houston Department of Public Works and Engineering ECRE Standard Practice (ECRE Standard Practice)*.

A TWEI environmental professional inspected the Site and adjacent properties on September 29, 2004. Database searches and municipal records review were performed for the Site and adjacent properties. Applicable maps, publications, and historical aerial photographs were reviewed, and interviews were conducted with knowledgeable sources.

There are no findings related to the presence of RECs at the Site, as defined by *ASTM-E-1527-00*.

TWEI recommends no further study, if the Site is to be sold as has been stated by CoH representatives. However, in the event that CoH decides to retain and develop the property, TWEI recommends that a Phase II subsurface investigation of the Site be conducted to verify absence of any Recognized Environmental Conditions at the Site. Our recommendation is based on the long history of commercial and industrial activities adjacent to and near the Site.

1 INTRODUCTION

Tolunay-Wong Engineers, Inc., (TWEI) was requested by the City of Houston, Department of Public Works and Engineering, Geo-Environmental Branch (CoH), to conduct a Phase I Environmental Site Assessment (Phase I ESA) of Parcel SY4-044 in the 4500 block of Swanson Street in Houston, Texas.

1.1 PURPOSE

The purpose of the Phase I ESA was to document environmental conditions of the Site and adjacent properties. This was done by identifying, to the extent feasible, pursuant to the process described in the *American Society for Testing and Materials (ASTM) Standard Practice for ESA's (ASTM E-1527-00)*, Recognized Environmental Conditions (RECs) at the Site. "Recognized Environmental Conditions" include:

"the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate any existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water on the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not Recognized Environmental Conditions." (ASTM-E-1527, 2000).

1.2 REASON FOR PERFORMING THE PHASE I ESA

CoH requested the Phase I ESA as part of the environmental due diligence associated with sale of the City's surplus property.

1.3 DETAILED SCOPE-OF-SERVICES FOR THE PHASE I ESA

The work for this report was conducted in accordance with TWEI Proposal No. P04-E081 dated September 14, 2004, as authorized by Mr. Michael K. Ho on September 21, 2004. Work for the Phase I ESA was executed in general accordance with the guidelines in *ASTM-E-1527-00* and with the *City of Houston Department of Public Works and Engineering ECRE Standard Practice (ECRE Standard Practice)*.

The scope of services for this project included:

- A historical review of prior owners of the Site. A review of records available from past and current landowners and interviews with pertinent individuals was included in the process. A Chain-of-Title search was conducted as part of this historical review.
- A historical review of land use, including review of aerial photographs, soil conservation maps, or other available historical data.

- Contacting Federal, State and Local regulatory agencies to identify records that could indicate negative environmental impacts at the Site. Agencies that were contacted included the Houston Fire Department and the Texas Railroad Commission.
- Reviewing surrounding properties to determine if their land usage or business practices could have contributed to a negative environmental impact to the Site.
- Evaluating surrounding areas for sensitive environmental receptors, i.e., drinking water wells, aquifers, schools, etc.
- Conducting a site reconnaissance to evaluate topography and visibly observe conditions at the Site that may have suggested environmental impairment; drums with unknown contents, underground storage tanks, waste dump areas, stained areas, stressed vegetation, etc.
- Conducting a literature search and site reconnaissance of the general hydrology and geology of the Site.
- Preparing this report stating the findings of the Phase I ESA. Included in this report are conclusions and recommendations as to the evidence of, or the potential for RECs at the Site at the time of the investigation.

1.4 SIGNIFICANT ASSUMPTIONS

If significant assumptions have been made in the course of conducting this Phase I ESA, they have been discussed in the relevant section of this report.

1.5 SPECIAL TERMS AND CONDITIONS

No special terms or conditions apply to this Phase I ESA.

2 SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Site is composed of a vacant lot on the south side of the 4500 block of Swanson Street at the south end of London Street, east of Cullen Boulevard in Houston, Texas. The Site and general vicinity are depicted in Figure 1 – Site Map. The Client provided a legal description and Site survey. A 100-year chain of title search was conducted utilizing the legal description. The Site survey forms the basis of the Site Map while the legal description, historical deed information, and 100-year chain-of-title documentation are contained in Appendix A.

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

2.2.1 Topography

The *US Geologic Survey 7.5 Minute Topographic Park Place, TX (1982) Quadrangle Map* was used to evaluate the Site. According to the topographic map, the general topographic gradient of the vicinity is very gradual to the north toward Brays Bayou. Brays Bayou is approximately 1.75 miles north of the Site. See Figure 2 - Topographic Map.

2.2.2 Surface Water Hydrology

The Federal Emergency Management Agency *Flood Insurance Rate Map (FEMA FIRM), Community Panel Number 48201C0890K, April 20, 2000* was used to evaluate the Site relative to flood zones. The map indicates that the base flood elevations have been determined and that the Site falls outside the 500-year floodplain. It is our understanding that FEMA will be publishing revised flood insurance maps in 2004. FEMA has stated in public announcements that many areas previously considered non-flood plain areas will be reclassified as flood plains. CoH should be aware of the potential for reclassification of this area.

2.2.3 General Geologic and Soil Characteristics

The Gulf Coast region of Texas is underlain by a thick wedge of sediments that have been deposited by fluvial and deltaic processes. The sediments are represented as a series of wedges thickening towards the coast. Recent sediments were deposited in present day alluvial valleys and floodplains of the major drainage systems. These sedimentary units typically contain cohesionless soils (sands, silts, and their intermixtures) intermixed with cohesive soils (clays, sandy clays, and silty clays).

Older sedimentary deposits consist of the Beaumont, Lissie, and Willis Formations. The sediments that compose each of these geologic formations are similar in depositional composition in that streams of coalescing fluvial and deltaic systems deposited them. The soils which developed from these systems include clay, silt, sand, and their intermixtures.

Exploration, principally by the petroleum industry, has identified these sediments to be extensively disrupted by "growth" faults and faults associated with shallow piercement and deep-seated salt domes. Growth faults are essentially slip surfaces formed by "landslides" that occurred at the same time of sediments deposition. The subsurface displacement of strata increases with depth. Faults associated with salt domes are similar to growth faults in that the faulting takes place in the sediments, but the model of deformation is generated by mobile salt migration. Evidence of continuing activity of faults is demonstrated by minor topographic scarps and ponds on virgin land, and disruption of pavements, structures, land subsidence, etc., in developed areas.

A review of internal files at TWEI indicated no faults at the Site or general vicinity.

Information concerning the soils of the area was obtained from the *1977 Soil Survey, Harris*

County, Texas. The Site occurs within Beaumont Clay Urban Land Complex. Beaumont soils make up 15 – 80 percent of the Beaumont-Urban Land Complex; Urban land, 10 – 70 percent; and other soils, 5 - 20 percent. The areas making up this complex are so intricately mixed that separation was not feasible at the scale used in mapping. Beaumont soils are clayey to about 73 inches; below 21 inches they have intersecting slickensides, and below 38 inches are mottled with light olive brown and strong brown. Urban land consists of soils that have been altered or covered by buildings or other urban structures. Classifying these soils is not practical.

2.3 CURRENT USE OF THE SITE

The Site is currently vacant.

2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE

There are currently no structures on the Site. An out-of-service railroad line or spur crosses the southern portion of the Site. A drainage swale is along the western edge of the Site.

2.5 CURRENT USES OF THE ADJOINING PROPERTIES

The Site is located within the City of Houston. Immediately south of the property is the Big Z Lumber Company. The property immediately to the west of the Site is a former CoH Health Department facility. Across Swanson Street from the Site is the back lot for Lloyd's Care, an auto repair business that fronts on Cullen Boulevard. The property to the east of the Site is a large mounded vacant area, which extends north to Branch Street. The property is gated and fenced with a dirt road leading from the east end of Swanson Street to a back entrance of Big Z Lumber Co. The gate was open during the site reconnaissance, but no vehicles were observed coming or going. At the time of the site reconnaissance, a truck and flat bed trailer were parked on top of mounded property near the back entrance to Big Z Lumber. Big Z Lumber Company is the owner of this property. In a discussion with Terry Ziegler, Owner of Big Z Lumber, Mr. Ziegler stated that the mounding is due to soil placement. See Section 6.4.

3 USER PROVIDED INFORMATION

3.1 TITLE RECORDS

As stated in Section 2.1, the Client provided a legal description, historical deed information, and Site survey. A 100-year chain of title search was conducted utilizing the legal description.

No easements, rights-of-way, surface leases or environmental liens affecting the surface estate of the Site were recorded in the legal description deed information or Survey.

The first recorded deed information about the Site occurred on May 5, 1890, when the property was deeded to J. Miller, etal from F. Halff as a part of 320 acres. Through a series of deeds,

warranty deeds and gift deeds, the Site passed into the hands of the Knox family in 1953. After the death of R.W. Knox and Mrs. Byrd Knox Stark, the Site was transferred by judgement to the City of Houston as part of two tracts on December 19, 1978.

3.2 ENVIRONMENTAL LIENS

No environmental liens were recorded in any of the documentation reviewed as part of this Phase I ESA.

3.3 SPECIALIZED KNOWLEDGE

There is no specialized knowledge associated with this Phase I ESA.

3.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

In TWEI's opinion, this investigation did not reveal anything that should warrant a reduction in the value of the Site due to environmental issues.

3.5 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The owner for this Phase I ESA provided no information. There were neither property managers nor occupants at the Site.

4 RECORDS REVIEW

The objective of the records review is to obtain and review records that will help identify Recognized Environmental Conditions in connection with the Site.

Atlas Environmental Research, Inc., was contracted to perform a regulatory records search. Environmental databases were searched within a radius as defined by *ASTM E-1527-00*, except where the search distance was reduced per the City of Houston *Department of Public Works and Engineering ECRE Standard Practice* specifications (except for NPL, RCRA TDS and SHWS). The *Atlas Radius Map Report* is presented in Appendix B.

4.1 STANDARD FEDERAL GOVERNMENT DATABASES

4.1.1 NPL

Section 105(a)(8)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, requires that the statutory criteria provided by the Hazardous Ranking System (HRS) be used to prepare a list of national priorities among known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout

the United States. Sites placed on the National Priorities List (NPL) are also known as Superfund sites and are considered priorities for State and Federal cleanup efforts. Information concerning NPL sites is maintained by the EPA's Office of Emergency and Remedial Response.

The Site does not appear on the NPL list.

There are no NPL listings identified within a one-mile (1-mile) radius of the Site.

4.1.2 CERCLIS

This database is sponsored by the EPA's Office of Emergency and Remedial Response, Information Management Center. The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database contains information on site inspections, preliminary assessments, and remediation of hazardous waste sites. In addition, site name, location, and characteristics are also stored within this database.

The Site does not appear on CERCLIS.

There are no CERCLIS listings within a one-half mile (1/2-mile) radius of the Site.

4.1.3 NFRAP

No Further Remedial Action Planned (NFRAP) sites have been removed and archived from the CERCLIS inventory. This designation means that to the best of the EPA's knowledge, assessment at a site has been completed and the EPA has determined no further steps will be taken to list the site on NPL, unless information indicates that this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be a potential NPL site. This database contains the same fields and information as CERCLIS.

The Site does not appear on NFRAP.

A single NFRAP listing was identified in the database search, the exact location of this site is unknown but within a one-half mile (1/2-mile) radius of the Site. The site is the Metro Waste Management, Inc. site on St Augustine Street. St. Augustine runs perpendicular to Swanson and is approximately 3/8 of a mile northwest of the Site at the closest point. A preliminary assessment of the Metro Waste Management site was conducted in September 1981. No further action was required. This site is not considered a significant environmental threat to the Site.

4.1.4 RCRIS

This database was obtained from the Environmental Protection Agency (EPA). Resource Conservation and Recovery Information System (RCRIS) is a national management and inventory system of RCRA (Resource Conservation and Recovery Act) hazardous waste handlers. Handlers can be characterized as fitting one or more categories: 1) Treatment, Storage,

Disposal, and Combustion Facilities (TSD's); 2) Generators (Large Quantity, Small Quantity, or Conditionally Exempt); and, 3) Transporters. RCRIS captures identification and location data from all handlers and a wide range of information on TSDs regarding permit/closure status, compliance with Federal and State regulations, and cleanup activities. Information regarding state and/or federal evaluations, violations, and enforcement actions is also maintained within RCRIS.

The Site does not appear on the RCRIS TSD, RCRIS LQG, or RCRIS SQG databases.

There is one RCRIS facility within the one quarter mile search radius of the Site. The facility is the Marathon Metallic Building facility located at 4601 Holmes Road, south of the Site. The location is east of the Site between the railroad and Holmes Road. This company is out of business and the site is vacant, after going through the TX VCP and obtaining final closure. See Section 4.2.5.

There is also one RCRIS-TSD facility within a one-mile (1-mile) radius of the Site. This is Industrial Metal Finishing located at 4200 Perry Street, approximately ¾ of a mile north of the Site. A violation of state solid waste handling/disposal rules was reported in February 2000. No violations or other events since then are recorded on the database. This site is closed.

These sites do not constitute a significant environmental threat to the Site.

4.1.5 ERNS

The Emergency Response Notification System (ERNS) is an archived database that stores information on notification of oil discharges and hazardous substance releases through the year 2000. ERNS provides the most comprehensive data compiled on notifications of oil discharges and hazardous substance releases in the United States from 1986 through 2000. During its use, more than 275,000 release notifications were entered into ERNS.

The Site does not appear on ERNS.

There are no ERNS sites identified within a one-quarter mile (1/4-mile) radius of the Site.

4.1.6 NRS

In mid-2000, the EPA began phasing out their responsibility for maintaining the ERNS database and turning over full control to the National Response Center (NRC). The database was redesigned and renamed National Response System (NRS). The NRC is now the sole federal point of contact for reporting oil and chemical spills and NRS is now the most comprehensive source of compiled data on notification of oil and chemical spills from the year 2000 to present.

The Site does not appear on NRS.

There are no NRS sites identified within a one-quarter mile (1/4 mile) radius of the Site.

4.2 STATE GOVERNMENT DATABASES

4.2.1 State Superfund

The Texas Commission on Environmental Quality (TCEQ) is required under the Texas Solid Waste Disposal Act, Texas Health and Safety Code Chapter 361, as amended, to identify and assess facilities that may constitute an imminent and substantial endangerment to public health and safety or the environment due to a release or threatened release of hazardous substances into the environment. Information on State Superfund Sites is maintained by the TCEQ – Pollution Cleanup Division.

The Site does not appear on State Superfund lists.

There are no State Superfund sites identified within a one-mile (1-mile) radius of the Site.

4.2.2 LPST

The Leaking Petroleum Storage Tank Database (LPST) is maintained by the Texas Commission on Environmental Quality (TCEQ) - Petroleum Storage Tank Division. It contains summary information about leaking tanks reported to the commission such as identification number, location information, responsible party information, and priority and status codes. Other information, including maps of monitoring wells, subsurface information, and contaminant data is often available in report format from the LPST file located in TCEQ Central Records – Austin.

The Site does not appear on the LPST list.

There are seven LPST sites listed within a one-half mile (1/2-mile) radius of the Site. Of these seven LPST sites, the database lists four of the sites as closed. The closed cases are:

- Fast Seven Food Store, 4666 South Loop East, closed April 1996;
- Calhoun Road Site, 6919 Calhoun Road, closed June 1998;
- Close Property, 4600 Holmes Road, closed September 1991; and
- Tris Auto Repair, 4600 South Loop East, closed July 1993.

Final concurrence and subsequent closure is listed as pending documentation of well plugging for the three remaining LPST sites. Only the Big Tex Tire & Wheel, 7128 Cullen Boulevard is within 500 feet of the Site. TWEI reviewed TCEQ files for this site. The file review is discussed in Section 4.3.4

4.2.3 PST

The Petroleum Storage Tank (PST) Database is maintained by the Texas Commission on Environmental Quality (TCEQ) - Petroleum Storage Tank Division. It has been retrieved from

the TCEQ's TRACS PST System. Facility, owner, and specific tank information is maintained within four miles in this system. These files contain information on above/underground storage tanks that have been registered with the TCEQ. Owner and facility address and contact name information has been extracted for all tanks in this database. Specific tank data such as status, installation date, capacity, construction, and contents has been included in the database report.

The Site does not appear on the PST list.

There are seven PST sites identified within a one-quarter mile (1/4-mile) radius of the Site. These PST sites are:

- **Swor's Glass & Mirror, Inc.** at 4342 Holmes Road. A single 3000 gallon gasoline tank was removed from this site in 1999.
- **Amerigas, Inc. Industrial Gasses Division**, 4340 Holmes Road. A single underground gasoline tank was permanently filled in place in 1987.
- **Exxon Co. USA #64655.7303** Cullen Boulevard. Three underground gasoline tanks with a total capacity of 12,000 gallons were permanently filled in place in 1987. A single 500 gallon used oil tank was also permanently filled in place in 1987.
- **Big Z Lumber Co**, 7225 Cullen Boulevard. A single 3000 gallon underground tank was removed in 1990.
- **William Wise**, 4600 Holmes Road. Three underground tank gasoline tanks with a total capacity of 8000 gallons were removed in 1991. Also a single 1000 gallon used oil tank was removed at the same time.
- **Doyle Corporation**, 7129 Cullen Boulevard. A total of three underground gasoline tanks with a capacity of 13,000 gallons were removed in 1975.
- **Big Tex Tire & Wheel**, 7128 Cullen Boulevard. Three underground gasoline tanks with a total capacity of 15,000 gallons were removed in 1970. An underground diesel tank is also included in the database for this site. Status of this tank is listed as 'Unknown'. TWEI review of TCEQ files and web site information and determined that these tanks were removed in 2000. See Section 4.3.4.
- **Sidney McClendon, III**, unknown location on Calhoun Street. Two underground tanks were removed from this site in 1998. One tank had a listed capacity of 10,000 gallons. The other tank had a listed capacity of 4000 gallons. The 4000 gallon tank contained diesel. Contents of the 10,000 gallon tank are not stated in the database report.

None of the above listed sites are considered a significant environmental risk to the Site.

4.2.4 Texas Municipal Solid Waste Landfills

This database is maintained by the Texas Commission on Environmental Quality (TCEQ) –

Municipal Solid Waste division. It contains summary information about landfills permitted by the commission such as identification numbers, location information, applicant/owner information, and site characteristics/status. Other information is available from the Landfill files located in the TCEQ Central Records – Austin.

The Site does not appear on Texas Municipal Solid Waste Landfills lists.

There are no Texas Municipal Solid Waste Landfill sites identified within a one-half mile (1/2-mile) radius of the Site.

4.2.5 TX VCP

The Texas Voluntary Clean Up Program (VCP) was established to provide administrative, technical, and legal incentives to encourage the clean-up of contaminated sites in Texas.

The Site does not appear on the VCP list.

There are four TX VCP sites listed within a one-half mile (1/2-mile) radius of the Site. Final closure has been granted to the General Cable Company for the site at 4601 Holmes in 1998. This is the same street address as the Marathon Metallic Building site. See Section 4.1.4. The CoH, Cullen Maintenance Facility at 7440 Cullen Boulevard was included in the VCP program in 1997. This location is approximately one-quarter mile south of the Site. Final closure of this site has not been obtained according to the database review. A site known as the Cullen @ Holmes Property, 7224 Cullen Boulevard, is also a TX VCP site. No closure certificate for this site was found in the database search. The fourth TX VCP site is the Sunnyside-Up Park on Sherwood Drive. The specific address is not included in the database, and the site is listed as an unknown location. Sherwood is approximately 3/8 of a mile northwest of the Site at its closest point. The site was included in the VCP program in 1998. The database states that soils at the site are impacted by metals and that remediation phase is currently in progress. These sites are not considered a significant environmental threat to the Site, based on their closed status, current participation in the VCP, and/or lack of close proximity to the Site.

4.2.6 Texas Brownfields Site Assessments

Texas Brownfields Site Assessments (BSA) is administered by the TCEQ for brownfield sites that are being remediated under US EPA grant monies.

The Site does not appear on the BSA sites lists.

There are no BSA sites identified within a one-half mile (1/2-mile) radius of the Site.

4.2.7 Texas Innocent Owner/Operator Program

The Texas Innocent Owner/Operator Program (IOP) is operated by the TCEQ. The database contains information on all sites that are in the IOP. An IOP is defined as an owner or operator whose property is contaminated as a result of a release or migration of contaminants from a

source not located on their property. The owner/operator did not cause or contribute to the source of the contamination.

The Site does not appear on the IOP sites lists.

There are no IOP sites identified within a one-half mile (1/2-mile) radius of the Site.

4.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

4.3.1 Railroad Commission Pipeline Map

Review of the Railroad Commission Pipeline Maps indicated that one pipeline is mapped within 1-mile of the Site. The pipeline is identified as an LPG line operated by Enterprise Products Operating L.P. The line runs roughly northeast-southwest alongside the Southern Pacific railroad, approximately 450 feet south of the Site.

4.3.2 Railroad Commission Oil and Gas Well Map

Review of the Railroad Commission Oil and Gas Well Maps revealed that there are no oil or gas wells located on or within the vicinity of the Site.

4.3.3 City of Houston Fire Department

Senior Captain Troy Lilley, of the Houston Fire Department's Hazardous Materials Response Team, was contacted (by fax) regarding any incidents of hazardous material spills or leaks at, or near, the Site. The Fire Department was requested to search Houston Harris County Key Map Page 533, Squares Q and R. A copy of the complete Houston Fire Department Search Results is contained in Appendix C of this Report. While spills had been recorded in Key Map Square 533Q R, none of them were on or adjacent to the Site.

4.3.4 TCEQ LPST File and Website Review

A review of Texas Commission on Environmental Quality (TCEQ) Leaking Petroleum Storage Tank (LPST) files available in the Houston office of the TCEQ contained only limited information regarding the LPST facilities identified in the environmental database report.

The Atlas environmental database report listed seven LPST facilities within the search radius of the Site. Only Big Tex Tire and Wheel was within 500 feet of the Site. Files for Big Tex Wheel & Tire were reviewed at TCEQ office and are summarized below.

The underground storage tank system at Big Tex Tire & Wheel was a fleet fueling facility for company vehicles and equipment. The system consisted of two 6000 gallon and one 3000 gallon steel tanks for gasoline and diesel. The dispensing equipment was submerged pumps with remote dispensers. The facility was originally a service station serving the public.

A Construction Notification was filed with the TCEQ (at that time TNRCC) for removal of the UST system on October 5, 2000. A request for waiver of the thirty day notification was submitted to Region 12. The request was approved, and the tanks were removed in October 2000.

Subsequent to the tank removal, groundwater impacts were discovered. A risk based assessment was conducted. After groundwater monitoring and establishing plume stability, site closure was granted in January 2003, according to the TCEQ web site data. In a later conversation (See Section 6.4) with Ms. Victoria Davis, owner of Big Tex Wheel & Tire, Ms. Davis confirmed site closure by TCEQ. Data from the TCEQ file and web site review is included in Appendix G. This site is not considered a significant environmental risk to the Site.

4.4 PHYSICAL SETTING SOURCES

The 1982 *US Geologic Survey 7.5 Minute Topographic Park Place, TX, (1982), Quadrangle Map* was reviewed as part of the Phase I ESA. In addition to the discussion in Section 2.2.1 of this report, pertaining to the general topography of the Site, other features of note shown on the Topographic Map include:

- Cullen Junior High School approximately 3300-feet northwest of the Site;
- Railroad (identified on the Railroad Commission pipeline map as a Southern Pacific line) approximately 500 feet south of the Site; and
- Mixed residential commercial and light industry north and west of the Site with larger facilities adjacent to the railroad.

4.5 HISTORICAL USE INFORMATION ON THE SITE AND ADJOINING PROPERTIES

4.5.1 City Directories

City directories include listings of residences, businesses, and professional concerns organized both alphabetically by name similar to a telephone book, and alphanumerically by street name then specifically by street address. City directories were available over the Site. TWEI reviewed directories at five-year increments from 2002 back to 1952. Pertinent non-residential listings are as follows:

Table 1: City Directory Listing 2002

Address	Business
6910 Cullen	AA Treatment Center
6913 Cullen	Beauty Max Houston
6921 Cullen	Green Eyes Café
7023 Cullen	Snap's Hardware
7025 Cullen	Burkley & Gladys
7030 Cullen	Buds House of Meats No. 2
7128 Cullen	Big Tex Tire & Wheel, Double Vision Beauty Salon, Hair By Wanda
7129 Cullen	Cullen Parts & Salvage
7200 Cullen	S. Post Oak Recycle
7225 Cullen	Ace Hardware, Big Z Lumber

Table 2: City Directory Listing 1997

Address	Business
6913 Cullen	Royal Beauty Shop
6917 Cullen	Belgo General Contractor
7020 Cullen	Global Auto
7023 Cullen	Snap's Hardware
7025 Cullen	Burkley & Gladys Heating
7030 Cullen	B & M Meat Market
7128 Cullen	Big Tex Tire & Wheel, Styles Unlimited Beauty Shop, Weaves by Wanda
7200 Cullen	Wake Up Recycling
7225 Cullen	Big Z Lumber

Table 3: City Directory Listing 1992

Address	Business
6905 Cullen	Cullen Hair Crafters Unlimited
6906 Cullen	Pampered Unisex
6909 Cullen	Turning Heads Houston
6913 Cullen	99 Fashion & Gift
6921 Cullen	Chic Affairs Club
7020 Cullen	Global Auto
7023 Cullen	Snap's Hardware
7025 Cullen	Burkley & Gladys AC
7128 Cullen	Big Tex Tire & Wheel
7129 Cullen	Complete Auto Parts
7150 Cullen	Cullen Drive Inn
7225 Cullen	Big Z Lumber

Table 4: City Directory Listing 1987

Address	Business
6905 Cullen	Cullen Hair Crafters
6907 Cullen	Brook's Fish Market
6909 Cullen	Alicia's Interiors
6911 Cullen	Rucker's Discount Furniture
6921 Cullen	Chic Affairs Club
7020 Cullen	P & P Auto Sales
7023 Cullen	Snap's Hardware
7025 Cullen	Burkley & Gladys AC
7030 Cullen	B & M Meat Market
7116 Cullen	Big Tex Tire & Wheel
7128 Cullen	Big Tex Tire & Wheel
7129 Cullen	Complete Used Auto
7150 Cullen	Cullen Drive Inn
7225 Cullen	Big Z Lumber

Table 5: City Directory Listing 1982

Address	Business
6907 Cullen	Brook's Fish Market
6909 Cullen	Alicia's Interiors
6913 Cullen	Bernice Beauty Salon
6921 Cullen	Chic Affairs Club
7023 Cullen	Koster Hardware & Lumber Co.
7025 Cullen	Larocca Laundry
7030 Cullen	American Cute Rate Meat
7034 Cullen	Rodger's Beauty Shop
7116 Cullen	Big Tex Tire & Wheel
7128 Cullen	Big Tex Tire & Wheel
7129 Cullen	Complete Used Auto
7150 Cullen	Cullen Drive Inn
7200 Cullen	Andrews Motors
7225 Cullen	Big Z Lumber

Table 6: City Directory Listing 1977

Address	Business
6903 Cullen	Jones Country Market
6907 Cullen	McAfee's Fish Market
6911 Cullen	Terrells Hats, Flowers & Gifts
6913 Cullen	Cullen Upholstery
6915 Cullen	Bernice Beauty Shop
6921 Cullen	Paul's Lounge
7020 Cullen	Stewarts Paint & Body
7023 Cullen	Koster Hardware & Lumber Co.
7025 Cullen	Larocca Laundry & Cleaners
7030 Cullen	Top Value Meat
7102 Cullen	The Junk Yard
7103 Cullen	Davis Service Station
7116 Cullen	Doretha's Lounge
7121 Cullen	Hensley Used Pipe & Oil Field Service
7128 Cullen	O'Geez Self Service Gas
7129 Cullen	Cullen Auto Parts
7131 Cullen	City Health Department
7150 Cullen	Cullen Drive Inn Grocery
7200 Cullen	B & J Metals
7225 Cullen	Donaldson Lumber

Table 7: City Directory Listing 1972

Address	Business
4502 Branch	Dake Used Machinery
6903 Cullen	Vernon's Country Market
6907 Cullen	McAfee's Fish Market
6909 Cullen	A & B Interiors
6913 Cullen	Foster Home Remodelers
7020 Cullen	Arnold Motors
7023 Cullen	Koster Hardware & Wrecking Co.
7025 Cullen	Lone Star Laundry & Cleaners
7030 Cullen	Cut Rate Meat Market
7034 Cullen	French Fish Market
7102 Cullen	Magnolia Welding Supply
7103 Cullen	Davis Service Station
7111 Cullen	Cullen Auto Parts
7121 Cullen	Hensley Used Pipe & Oil Field Service
7128 Cullen	Duncan Oil
7150 Cullen	Cullen Drive Inn Grocery
7200 Cullen	Lange Motors
7225 Cullen	Donaldson Lumber & Paneling

Table 8: City Directory Listing 1967

Address	Business
4502 Branch	Dake Used Machinery
6903 Cullen	Vernon's Country Market
6905 Cullen	Cullen TV Center
6909 Cullen	B & J Tire
6911 Cullen	Pott's Valet Service
6913 Cullen	Costal Printing
6915 Cullen	Verson Solar System
7020 Cullen	Cullen Auto Sales
7023 Cullen	Koster Hardware & Wrecking Co.
7039 Cullen	Davis Service Station
7102 Cullen	Magnolia Welding Supply
7107 Cullen	Scott Street Motor Parts
7111 Cullen	Penny Motor Co.
7121 Cullen	Hensley Used Pipe & Oil Field Service
7128 Cullen	Duncan Oil
7129 Cullen	Lone Star Laundry & Cleaners
7150 Cullen	Cullen Drive Inn Grocery
7200 Cullen	Lange Motors
7225 Cullen	Mabry Machinery Inc.
7232 Cullen	Sureway Service Co.
7250 Cullen	Sureway Service Co.

Table 9: City Directory Listing 1962

Address	Business
6913 Cullen	Rawliegh Co.
7020 Cullen	Cullen Auto Sales
7023 Cullen	Koster Hardware & Wrecking
7102 Cullen	Magnolia Welding Supply
7105 Cullen	Bud's Service Station
7116 Cullen	C & C Drive Inn Grocery
7121 Cullen	Hensley Swabbing and Paraffin
7128 Cullen	Best Oil Co. of Texas
7129 Cullen	Lone star Laundry & Cleaners
7225 Cullen	Mabry Inc.
7232 Cullen	Sureway Service Co.

No significant business listings were found for the streets surrounding the Site in the 1957 and 1952 city directories.

4.5.2 Sanborn Map Review

In the late nineteenth century, companies began preparing maps for use by fire insurance companies. These maps indicate construction materials of specific structures in developed urban areas. With the advent of retail gasoline service stations, the approximate locations of tanks were noted, often without AST or UST designations. These maps were updated and expanded geographically periodically through the mid-twentieth century. Sanborn maps from 1950 and 1968 were reviewed for this report.

The 1950 Sanborn map shows the Site vicinity platted for residential development but no streets or houses have been built. The Site itself is seen as London Street (not open) south of Swanson (also not open). The property immediately south of the Site to the railroad is identified as Hancock Drilling Company. Buildings and offices for Hancock are located along Holmes Road with one building on Cullen. The area immediately adjacent to the Site is used as a staging yard. This is the present day location of Big Z Lumber Company. Due to the amount of time since the Hancock Drilling Company occupied this site, activities by Hancock are not considered a significant environmental risk to the Site.

In the 1968 Sanborn map, the Hancock Drilling Company site is now the Jim Mabry, Inc. Industrial Winches, Hoists and Marine Equipment site. The area adjoining the Site is a staging area. Adjacent to the Site on the west is a parking lot and a building on Cullen. 'Housewares' is the only legible word on this building. The railroad spur (built since the 1950 Sanborn map and the 1953 aerial photograph (see Section 4.5.3) terminates at this building. This building eventually became a CoH Health Department facility. Although platted, Swanson Street does not extend east of London, and London does not extend south of Swanson onto the Site. There is a small building on the northwest corner of Swanson and London but no legible identification of the building. There are two buildings along the east side of London. The one closest to the Site is a welding shop, and the other is a machine shop. Businesses along Cullen north of Swanson are unidentifiable on the Sanborn map.

4.5.3 Aerial Photography

TWEI sourced historical aerial photographs for the Site from Atlas Environmental Research (Atlas). Atlas provided photos from 1944, 1953, 1969, 1979, 1989, 1995, and 2002. These historical aerial photographs are contained in Appendix E of this report.

In the 1944 aerial photograph, the vicinity of the Site is sparsely developed with scattered houses to the north. Swanson Street has not yet been developed, and the Site location appears as part of a larger open tract of land. A denser residential development exists across Cullen Boulevard. Most of this area is open land. A large oval can be observed in the area between Dreyfus and Holmes Road and the railroad track. Based on the size and color of the oval and that it does not appear to be paved, this may have been a dirt auto race track. This is speculative. There appear to be two activities on the east side of Cullen between present day location of Swanson Street

and the railroad tracks. The northernmost activity has a long tree-lined drive. This could be a residence. The other is at the present day location of Big Z Lumber Company and was identified on the 1950 Sanborn map as Hancock Drilling Company (Section 4.5.2).

In the 1953 aerial photograph, residential growth has occurred in the area since the 1944 photograph. London Street appears to reach from Branch to the present day location of Swanson Street and end at the Site. The Site is still vacant. London is wide and is probably dirt or gravel as it does not appear as light colored as the other known paved streets in the area. Swanson Street has not yet been constructed. Unidentifiable activity or business(es) are located between the Site and Cullen Boulevard. The Site and the area to the east remain open and vacant.

By 1969 the general area is almost completely developed. Swanson Street has been completed between Cullen and London and London appears paved. Businesses completely occupy the block between Swanson and Branch along Cullen. Buildings appear on the east side of London. A large building with a driveway in the rear is immediately between the Site and Swanson. This is the building identified in the field reconnaissance and city directory review as a former CoH Health Department facility. The line of the railroad spur is clear from the mainline to the above building on Cullen. This spur is not present in the 1953 aerial photograph. Two larger structures and several smaller ones are seen on the east side of London Street. Open areas surround the structures. The main structures were identified in the 1968 Sanborn map as a welding shop and a machine shop. See Section 4.5.2. The Site and land to the east on both sides of the railroad spur is vacant. IH 610 has been completed south of the Site.

By 1979 development of the area is nearly complete. Only a few parcels of undeveloped land remain scattered through the area. The Site still remains vacant at the south end of London Street. Sheds or warehouses have been built along the railroad spur and the land between the spur, and the mainline is built out. An unidentifiable activity is taking place immediately east of the Site.

In the 1989 aerial photograph, the Site is easily visible as a dark patch with two trees. Buildings and sheds at Big Z Lumber Company are clearly visible, and there appears to be gap in the sheds or warehouses along the railroad spur that would allow a back entrance into the Big Z yard, east of the Site. (Big Z Lumber first appeared in the city directory review in 1982.) Activities along the east side of London Street can be divided into three parts. The northern portion near Branch Street is dark and mostly covered in trees with grass in the northwest corner. A middle section appears to have a building and some other small structures. South of this building to the Big Z property including immediately east of the Site, the land appears scarred and bare with a lighter colored drive between the end of Swanson to Big Z back entrance. The back entrance into Big Z remains east of the Site and the activities, and structures along the east side of London are similar to before. Conversation with Big Z owner, Terry Zeigler, confirmed that Big Z owns the property east of London Street about halfway to Branch Street. See Section 6.4.

In the 1995 photograph, some sort of activity along the western portion of the Site is occurring. The land is pale and scarred. The activity begins west of the two trees on the Site and continues into the former health department building site. Other features of the 1995 photograph appear similar to those of the 1989 photograph.

In the 2002 photograph, the land scarring or other activity on the east side of the Site has ended.

There is a clearly discernible road from the east end of Swanson into the back of Big Z. The east side of London is visible with one structure near the middle of the block since the 1969 photograph. This structure was not present during the Site Reconnaissance. It appears that a fence line extends from the end of Swanson to the group of trees to the east. The entire block bounded by Swanson, Cullen, Branch, and London appears fenced and is a single business.

5 SITE RECONNAISSANCE

5.1 OBJECTIVE

The objective of the site reconnaissance was to obtain information indicating the likelihood of identifying Recognized Environmental Conditions in connection with the Site. A TWEI environmental professional conducted a Phase I site reconnaissance inspection on September 29, 2004. Site reconnaissance photographs are contained in Appendix F of this report. Observations are also shown on Figure 1 – Site Map.

5.2 METHODOLOGY AND LIMITING CONDITIONS

The TWEI environmental professional traversed the perimeter of the Site and inspected the interior of the Site. Representative conditions and key features were photographed and documented on a field log.

5.3 GENERAL SITE SETTING

The Site is located in a highly commercial industrial area. The Site is surrounded by commercial businesses that include a large lumber yard to the south, an automobile repair business north of Swanson, an empty CoH Health Department building to the west, and a large fenced and gated vacant area belonging to the Big Z Lumber Company.

5.4 CURRENT USE OF THE PROPERTY

The observed current use of the Site is discussed in Section 2.4 of this Report.

5.5 INDICATIONS OF PAST USES OF THE SITE

An out-of-service railroad line or spur runs across the rear of the property adjacent to Big Z Lumber Company. The spur is contiguous into the properties on either side. The tracks are rusted and overgrown by grass through most of its way across the Site. Large broken blocks of reinforced concrete were observed at the Site. These blocks were not in their original position location and were most likely brought to the Site from elsewhere.

5.6 CURRENT USES OF THE ADJOINING PROPERTIES

The observed current uses of the adjoining properties discussed in Section 2.5 of this Report were supported by site reconnaissance observations.

5.7 INDICATIONS OF PAST USES OF THE ADJOINING PROPERTIES AND SURROUNDING AREA

There were no observed indications of past uses of the adjoining properties and surrounding area.

5.8 OBSERVATIONS

Pursuant to *ASTM-E-1527-00*, conditions of concern that the environmental professional conducting the Phase I ESA checked for during the site reconnaissance included:

5.8.1 Roads and Paths

There were no paths, roads or driveways into or on the Site. A railroad spur at the southern end of the Site has been previously described.

5.8.2 Potable Water Supply, Waste Water, and Sewage Disposal Systems

The Site has access to all public utilities and services but none are currently in service.

5.8.3 PCB-Containing Equipment

No PCB containing equipment was observed at the Site.

5.8.4 Stained Soil or Pavement

No stained soil or pavement was observed at the Site.

5.8.5 Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances or petroleum products were observed at the Site.

5.8.6 Storage Tanks and Pipelines

No storage tanks or pipelines were observed at the Site.

5.8.7 Stressed Vegetation

No stressed vegetation was observed at the Site.

5.8.8 Other Conditions of Concern

The following potential conditions of concern were also checked-for during the site reconnaissance:

- Pits, ponds, or lagoons;
- Unidentified substance containers;
- Oil, gas, and water wells;
- Odors;
- Drums;
- Hazardous substance and petroleum products containers; and;
- Pools of non-aqueous liquid.

None of these were observed during the site reconnaissance.

6 INTERVIEWS

6.1 INTERVIEWS WITH OWNERS

Owners of the Site were not interviewed as part of this Phase I ESA.

6.2 INTERVIEWS WITH SITE MANAGER/OCCUPANTS

There were no managers or occupants at the Site.

6.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

No research from other activities undertaken as part of this Phase I ESA resulted in findings warranting interviews with local government officials.

6.4 INTERVIEWS WITH OTHERS

TWEI encountered a survey crew from CoH while at the Site. The surveyor, David George

stated that the building immediately to the west of the Site was a former CoH Health Department facility. He further stated that he believed that CoH owned the property immediately to the east of the Site (currently vacant) This property was later discovered to be owned by Big Z Lumber Company. See below.

TWEI also interviewed Al Lloyd, owner of Lloyd's Care, an auto repair business across Swanson from the Site. Mr. Lloyd stated that he had seen CoH trucks at the empty brick building west of the Site (7131 Cullen) and had observed workers carrying in and/or out medical equipment from the building. Mr. Lloyd has owned the car repair business at this location for over a year but the location had been a car repair business for as long as he could remember. Mr. Lloyd stated that the property east of London Street is owned by Big Z Lumber.

TWEI interviewed Ms. Victoria Davis, owner of Big Tex Tire & Wheel. Ms. Davis stated that underground gasoline tanks were removed in 2000. Groundwater monitoring took place afterwards, and final closure was awarded from TCEQ. Ms. Davis statements were confirmed by the TCEQ file and website records review. Final closure for the site was granted in January 2003.

TWEI interviewed Mr. Terry Ziegler, owner of Big Z Lumber Company regarding the property east of the Site along London Street. Mr. Ziegler said that Big Z owns this property and uses it as a back entrance to their business for tractor trailer trucks and large equipment. The property extends about halfway to Branch Street. The property is high and mounded because Big Z allowed contractors from the UT Health Sciences Nuclear Medicine building project to deposit excess excavation soils on the property within the last couple of years.

7 FINDINGS, OPINIONS, AND CONCLUSIONS

Tolunay-Wong Engineers, Inc., (TWEI) was requested by CoH to conduct a Phase I ESA for Parcel SY4-044 in the 4500 block of Swanson Street in Houston, County, Texas.

TWEI made no findings in relation to the presence of Recognized Environmental Conditions (RECs), as defined by the ASTM standard for Phase I ESAs, at the Site.

8 RECOMMENDATIONS

Although TWEI found no Recognized Environmental Conditions at the Site and the City of Houston intends to sell the property, we recommend that in the event that CoH decides to retain and develop the property, a Phase II subsurface investigation be conducted by CoH to verify absence of Recognized Environmental Conditions at the Site. This Phase II subsurface investigation could be conducted concurrently with any geotechnical investigation in order to reduce costs. If the property is sold, any additional investigation should be conducted by the prospective buyer. Our recommendations is based on the location of the Site within a long established commercial and industrial area as evidenced in the aerial photographs, Sanborn maps, and the review of city directories.

9 LIMITATIONS AND EXCEPTIONS

9.1 USER RELIANCE

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of the City of Houston unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions, recommendations, and conclusions contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. Environmental conditions may exist at the property that cannot be identified by visual observation. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

The following limitations apply to the Phase I ESA:

Pursuant to *ASTM E-1527-00*, the following were excluded from the scope-of-work for the Phase I ESA:

- Radon;
- Regulatory compliance;
- Soils testing;
- Health and safety;
- Asbestos surveys;
- Wetlands.
- Lead in drinking water;
- Lead-based paints;
- Industrial hygiene;
- Ecological resources;
- Groundwater testing;

The findings related to faults reported in this Phase I ESA are the result of review of in-house documentation and do not constitute a full Phase I Fault Study.

10 ADDITIONAL SERVICES

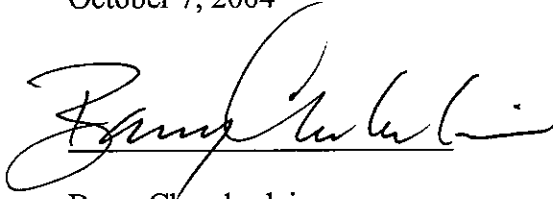
TWEI is not providing any environmental services additional to this Phase I ESA for Parcel SY4-044 in the 4500 block of Swanson Street in Houston, Harris County, Texas, project.

11 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

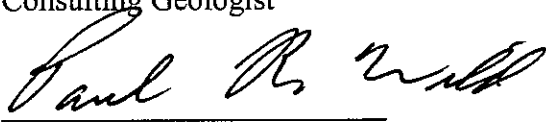
The material and data in this report for the Phase I ESA for Parcel SY4-044 in the 4500 block of Swanson Street in Houston, Harris County, Texas, were prepared under the supervision and direction of the undersigned.

TWEI Project Number 04-E009-6

October 7, 2004



Barry Chamberlain
Consulting Geologist



Paul R. Wild
Vice President
Environmental Services Division

12 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The resumes of the environmental professionals who prepared this report are presented below.

BARRY N. CHAMBERLAIN
ENVIRONMENTAL CONSULTANT

SPECIALIZATION

Mr. Chamberlain has a broad background in environmental issues with oil and gas, petrochemical, agricultural and governmental clients with a focus on management and execution site assessments, including Phase I ESAs, field assessments and background audits and the environmental implications of applied technologies. Mr. Chamberlain has experience in environmental compliance, risk audits, permitting, wetlands delineations, design of soil and ground water remediation systems, soil and ground water contamination investigations. Previous work includes oil and gas exploration and production logging, reservoir development, and geologic evaluation and wire line supervision for onshore and offshore GOM projects.

PROFESSIONAL HISTORY

Independent Environmental Consultant, Houston, TX, 2003-Present
Washington Group International, Consulting Scientist, Houston, TX, 1999-2003
CURA, Inc., Environmental Geologist, Houston, TX, 1997-1998
Terra Technologies, Inc., Senior Consultant, Houston, TX, 1996-1997
KPMG Peat Marwick, L.L.P., Senior Consultant, Houston, TX, 1995-1996
McLaren/Hart Environmental Engineering, Inc., Geosciences Manager, Houston, TX, 1993-1995
IT Corporation, Project Manager, Houston, TX, 1988-1993

EDUCATION

M.S./Geology, Memphis State University, 1985
B.S. /Geology, Memphis State University, 1978

CERTIFICATION

OSHA 40-Hour HAZWOPER Training
OSHA HAZWOPER Management and Supervisor Training
Basic Wetlands Delineation, Wetlands Training Institute, 2001
Texas Risk Reduction Program, Short Course, University of Houston, 2000
Groundwater Hydrology, Continuing Education Course, Rice University 1988

AFFILIATIONS

National Association of Groundwater Scientists and Engineers
Geological Society of America
Political Economy Research Center

PAUL R. WILD
VICE PRESIDENT - ENVIRONMENTAL SERVICES DIVISION

SPECIALIZATION

Conducts technical reviews of environmental management systems, and directs environmental compliance audits, risk assessments, environmental site assessments, and asbestos surveys. Manages RCRA Facility Investigations and Corrective Measures Studies. Manages all phases of underground storage tank release evaluations from initial investigation to remediation. Conducts Environmental Assessments under the National Environmental Policy Act. Evaluates analytical testing data and oversees contract laboratory quality assurance, including on-site auditing. Supervises drilling and sampling operations at hazardous waste sites and provides assessment of soil and groundwater contamination. Conducts chemical literature research and assesses waste treatment methods. Evaluates applicable or relevant and appropriate requirements (ARARs) in relation to remedial actions and air/water/waste permitting. Develops health and safety plans and monitors health and safety plan compliance. Evaluates census tract data, property ownership records, aerial photography, house-to-house survey data, and other publicly-available data, including interviews with regulatory and governmental agency personnel, to assess possible or probable social and economic impacts to communities from construction and remediation projects.

PROFESSIONAL HISTORY

Tolunay-Wong Engineers, Inc., Houston, Texas, 2002 to Present
Washington Group International, Houston, Texas, 1985 - 2002, Manager of Environmental Services
Resource Engineering, Inc. (ENSR), Houston, Texas, 1985, Staff Chemist
McBride-Ratcliff and Associates, Inc., Houston, Texas, 1984 - 1985, Field Technician

EDUCATION

B.S. Chemistry (Zoology minor): Marshall University, 1983

CERTIFICATION

OSHA Certified for Hazardous Waste Site Work (OSHA 29 CFR 1910.120)
OSHA 29 CFR 1910.120 Supervisor Training
Asbestos Hazard Emergency Response Act (AHERA) building inspector and management planner
Illinois Licensed Asbestos Inspector #100-7145
TCEQ Corrective Action Project Manager Reg. #CAPM00385

AFFILIATIONS

American Chemical Society

PUBLICATIONS

"A Contaminant-Resistant Slurry Trench," W. R. Tobin, co-author, presented at the First Annual Southern Regional Ground Water Conference, San Antonio, Texas, September 1985, pp. 193-208.
"Attapulgitic: A Clay Liner Solution?" W. R. Tobin, co-author, Civil Engineering, Vol. 56, No. 2, February 1986, pp. 56-58.
"The Environmental Site Assessment as a Pre-Investment Security," presented at the Texas Section, American Society of Civil Engineers Spring Meeting, Dallas, Texas, April 1987.

13 REFERENCES

- Atlas Environmental Research Report, Inc., Atlas E. R. Map Report. Atlas Job 04-09-950, September 26, 2004.
- ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E-1527-00.
- City of Houston, Department of Public Works and Engineering. ECRE Standard Practice, March 23, 1998.
- Federal Emergency Management Agency, Flood Insurance Rate Map, Community Panel Number 48201C0890K, April 20, 2000.
- Key Maps, Inc., Key Map Houston Harris County Atlas, 2003, 44th Edition.
- US Dept. of Agriculture, Soil Survey Harris County, Texas, 1977.
- US Geological Survey, 7.5-Minute Topographic Map, Park Place, Texas Quadrangle Sheet, 1982.
- Railroad Commission of Texas, Texas Pipelines, Park Place, Texas, 7.5 minute Quadrangle, July 8, 2003.
- Railroad Commission of Texas, Park Place, Texas, 7.5 minute Quadrangle, July 8, 2003.

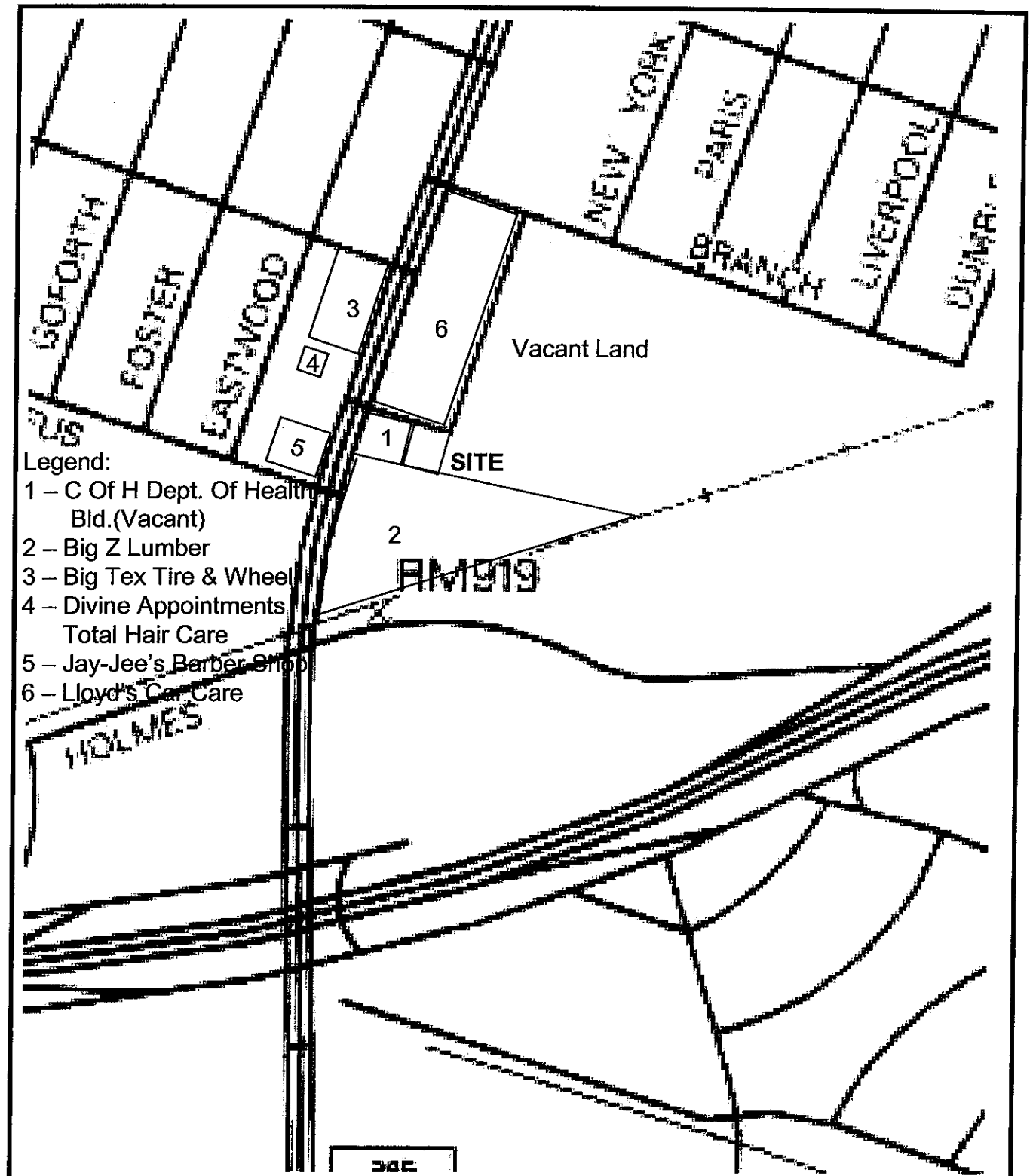


FIGURE 1: SITE MAP

NTS



PROJECT: PHASE I ESA
Parcel SY4-044
 4500 Block of Swanson Street
 Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
 Houston, Texas

Project No.: 04-E009-6

Client:
City of Houston

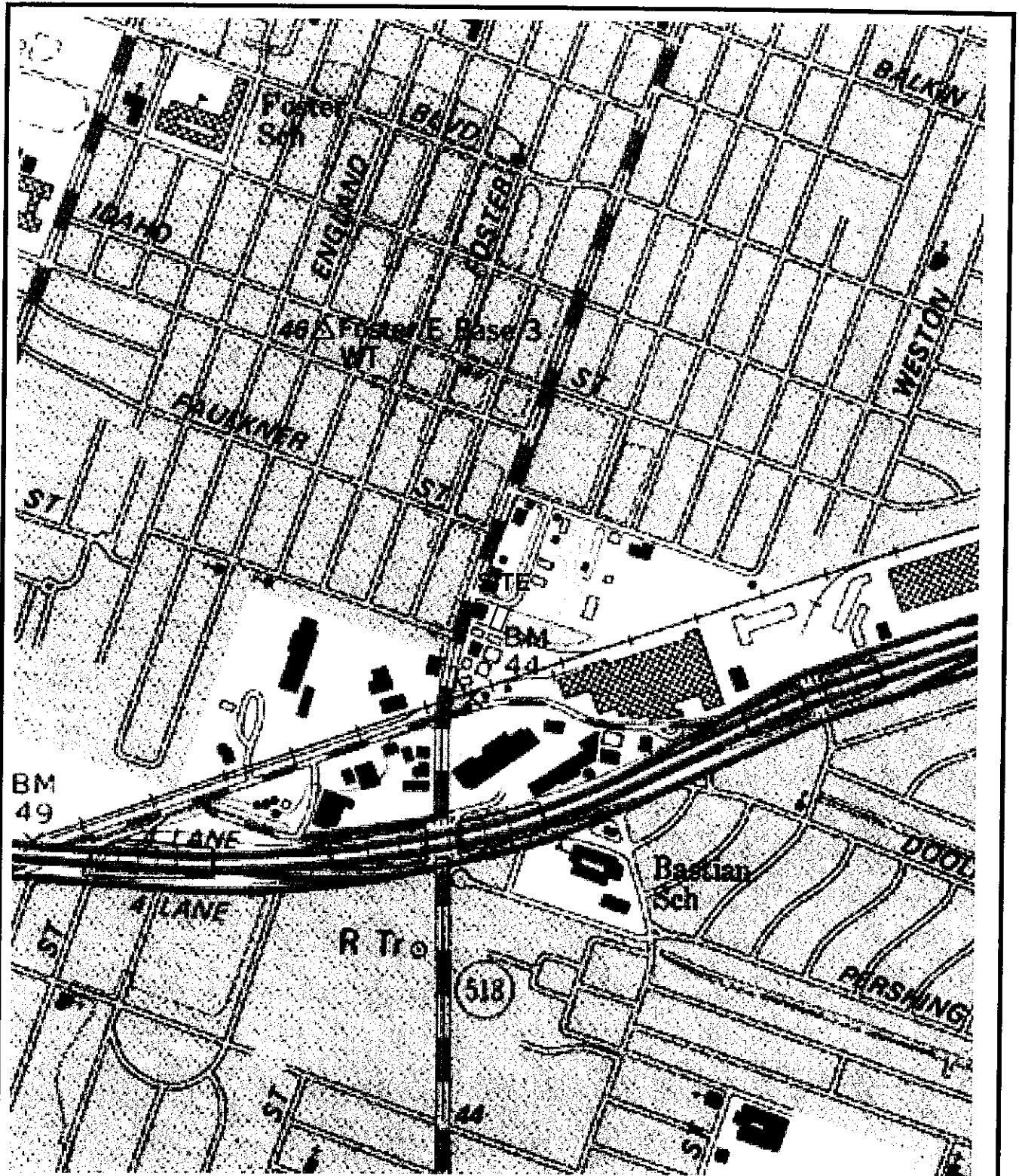


FIGURE 2: TOPOGRAPHIC MAP

SOURCE: US Geologic Survey 7.5 Minute Quadrangle Topographic Map
Park Place, TX, 1982

Scale: 1"=800'



PROJECT: PHASE I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Client:
City of Houston
Houston, TX

HISTORICAL CHAIN OF TITLE
For Use With Phase I ESA

Requested by:	TOLUNAY-WONG ENGINEERS, INC.	RDS #:	13695C.04
Attention:	Marilyn Wolff	Effective Date:	09/29/2004
Reference #:	04-E009-6	Report Date:	10/04/2004

SUBJECT TRACT: Tract 1: 5,716 square feet of land being parts of Lots 3 and 11, Block "P" and Lots 3 & 11, Block "Q", and part of New York Avenue, abandoned, GRAND PARK ANNEX, according to the map or plat thereof recorded in Volume 572, Page 451, Harris County Deed Records, Harris County, Texas. (HCAD # 058-170-000-0005)

Tract 2: 35,374 square feet of land being out of Lots 1, 2, 3, 14, 15 and 16, Block "O" and part of London Avenue, abandoned, GRAND PARK ANNEX, according to the map or plat thereof recorded in Volume 572, Page 451, Harris County Deed Records, Harris County, Texas. (HCAD # 058-169-000-0024)

PHYSICAL ADDRESS: N/A

OWNER OF RECORD: City of Houston

DATE: 12/19/1978
INSTRUMENT: Judgement
GRANTEE: City of Houston
GRANTOR: First International Bank in Houston, Trustee for the R.W. Knox, Sr. and Pearl Wallace Knox Charitable Foundation and Independent Executor of the Estate of R.W. Knox, Jr., deceased.; Paul E. Wise, Independent Executor of the Estate of Mrs. Byrd Knox Stark, deceased; and Goodwill Industries of Houston
REFERENCE: F-933630
COMMENTS: 5,716 Square foot tract and 35,374 Square foot tract

DATE: 12/30/1968
INSTRUMENT: Gift Deed
GRANTEE: Robert W. Knox, Jr. and Houston Bank & Trust Co., Trustees
GRANTOR: R.W. Knox and Byrd Knox Stark
REFERENCE: C-841087
COMMENTS: Conveyance of an undivided interest in those tracts in Block "O".

DATE: 12/29/1967
INSTRUMENT: Gift Deed
GRANTEE: Robert W. Knox, Jr. and Houston Bank & Trust Co., Trustees
GRANTOR: R.W. Knox and Byrd Knox Stark
REFERENCE: C-643590
COMMENTS: Conveyance of an undivided interest in those tracts in Block "O".

DATE: 3/5/1964
INSTRUMENT: Gift Deed
GRANTEE: **Goodwill Industries of Houston**
GRANTOR: R. W. Knox and Byrd Knox Stark
REFERENCE: B-849720
COMMENTS: 5,716 square feet of land being parts of Lots 3 and 11, Block "P" and Lots 3 & 11, Block "Q", and part of New York Avenue, abandoned.

DATE: 4/30/1953
INSTRUMENT: Deed
GRANTEE: **Robert W. Knox, Jr.**
GRANTOR: City of Houston
REFERENCE: 2599/12
COMMENTS: Conveyance of a part of New York Avenue.

DATE: 4/16/1953
INSTRUMENT: Deed
GRANTEE: **R.W. Knox**
GRANTOR: Jacob Arnold Gaber
REFERENCE: 2599/14
COMMENTS: Subject tract, etal.

DATE: 4/3/1953
INSTRUMENT: Deed
GRANTEE: **R.W. Knox**
GRANTOR: Frances C. Maxwell and husband Jott Maxwell
REFERENCE: 2588/48
COMMENTS: Lots 1-6, Block "Q"

DATE: 11/6/1951
INSTRUMENT: Deed
GRANTEE: **Jacob Arnold Gaber**
GRANTOR: Jack Morris
REFERENCE: 2387/466
COMMENTS: Subject tract, etal.

DATE: 9/28/1951
INSTRUMENT: Deed
GRANTEE: **Jack Morris**
GRANTOR: City of Houston
REFERENCE: 2837/464
COMMENTS: Conveyance of a part of London Avenue.

DATE: 4/18/1950
INSTRUMENT: Warranty Deed
GRANTEE: **Jack Morris**
GRANTOR: Henderson Brothers, Inc.
REFERENCE: 2089/578
COMMENTS: Block "O", etal.

DATE: 2/5/1946
INSTRUMENT: Deed
GRANTEE: Henderson Brothers, Inc.
GRANTOR: M.H. Miller, etal.
REFERENCE: 1430/491
COMMENTS: Lots 1-6, Block "Q"

DATE: 7/11/1944
INSTRUMENT: Deed
GRANTEE: Henderson Brothers, Inc.
GRANTOR: The Estate of Elizabeth Mounger, etal.
REFERENCE: 1336/160
COMMENTS: Lots 1-13, Block "P"

DATE: 3/22/1944
INSTRUMENT: Deed
GRANTEE: Henderson Brothers, Inc.
GRANTOR: Grace Odom Tate (heir of P.J. Fahner, deceased)
REFERENCE: 1314/178
COMMENTS: Lots 1, 2, 3, 14, 15 & 16, Block "O"

DATE: 4/2/1935
INSTRUMENT: Deed
GRANTEE: P.J. Fahner
GRANTOR: Grand Park Realty Co., Inc.
REFERENCE: 976/683
COMMENTS: Lots 1, 2, 3, 14, 15 & 16, Block "O"

DATE: 8/18/1930
INSTRUMENT: Deed
GRANTEE: M.H. Miller
GRANTOR: Grand Park Realty Co., Inc.
REFERENCE: 845/454
COMMENTS: Lots 1-6, Block "Q"

DATE: 9/17/1925
INSTRUMENT: Correction Deed
GRANTEE: Grand Park Realty Co., Inc.
GRANTOR: The Second National Bank, fka Guardian Trust Co., as Executor of the Estate of Hugh Hamilton, deceased.
REFERENCE: 2593/125
COMMENTS: 52.78 acres

DATE: 5/7/1910
INSTRUMENT: Deed
GRANTEE: Hugh Hamilton
GRANTOR: L.H. Bailey
REFERENCE: 225/73
COMMENTS: 80 acres

DATE: 5/7/1910
INSTRUMENT: Deed
GRANTEE: **L.H. Bailey**
GRANTOR: Alfred G. Barnett
REFERENCE: 225/76
COMMENTS: 80 acres

DATE: 1/28/1910
INSTRUMENT: Deed
GRANTEE: **Alfred G. Barnett**
GRANTOR: Sivert S. Hommedal
REFERENCE: 244/139
COMMENTS: 80 acres

DATE: 4/10/1907
INSTRUMENT: Deed
GRANTEE: **Sivert S. Hommedal**
GRANTOR: C. Belslay
REFERENCE: 206/504
COMMENTS: 80 acres

DATE: 3/15/1906
INSTRUMENT: Deed
GRANTEE: **C. Belslay**
GRANTOR: J. Miller, etal.
REFERENCE: 190/24
COMMENTS: 80 acres

DATE: 5/5/1890
INSTRUMENT: Deed
GRANTEE: **J. Miller, etal.**
GRANTOR: F. Halff
REFERENCE: 47/616
COMMENTS: 320 acres

EASEMENTS, RIGHT OF WAYS, SURFACE LEASES AND ENVIRONMENTAL LIENS AFFECTING THE
SURFACE ESTATE OF THE SUBJECT TRACT:

DATE: 12/1/1975
INSTRUMENT: Lease
GRANTEE: **City of Houston**
GRANTOR: First International Bank in Houston, etal.
REFERENCE: E-916432
COMMENTS: 35,374 square foot tract; for 1 year with extension options.

ATLAS E.R. Map Report

(Exceeds ASTM Standard E1527-00)

Area of Review:

Atlas Job 04-09-950
4500 Block Swanson
Houston, Texas

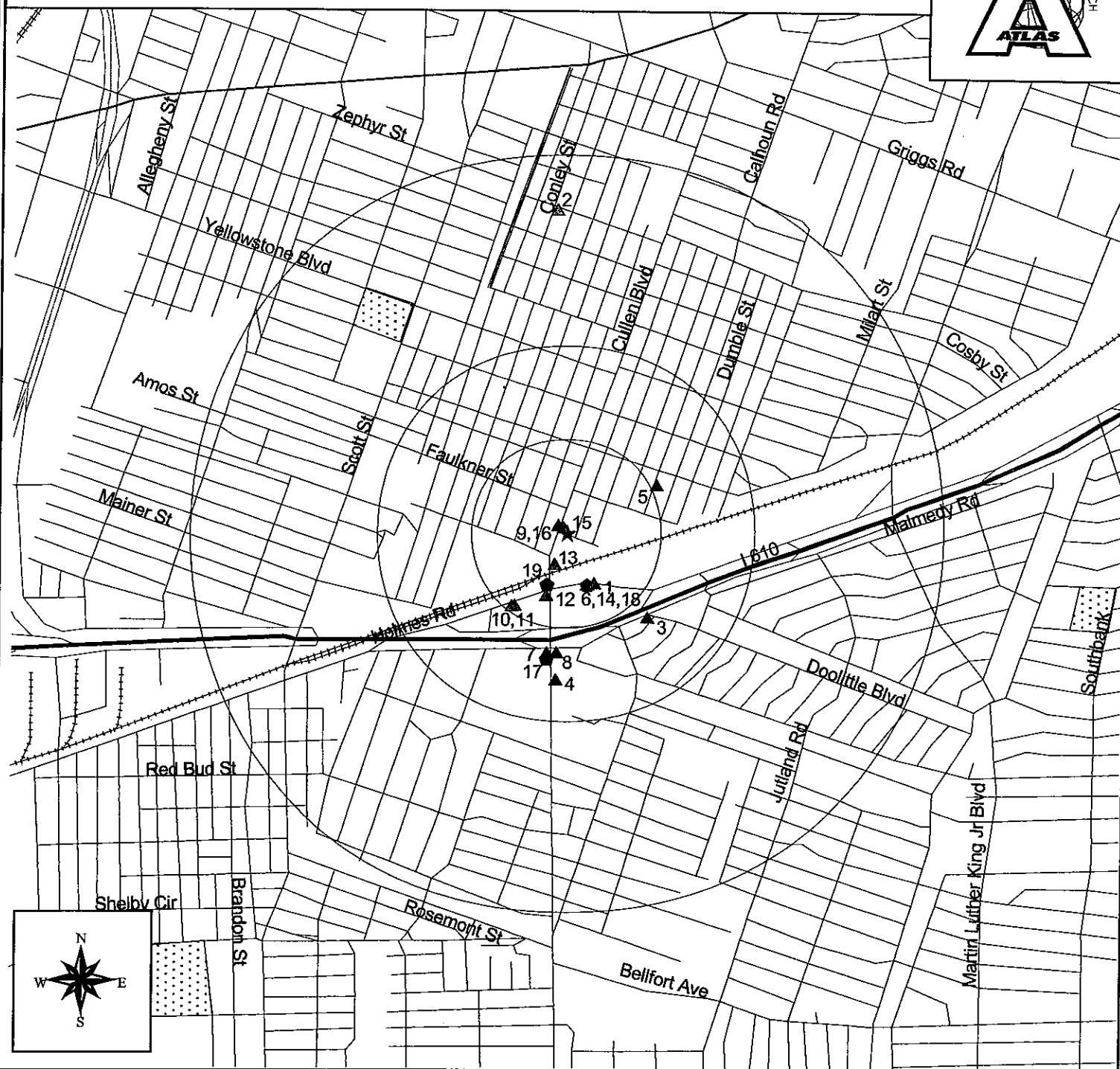
Site (Centerpoint) Coordinates:

North 29° 41.082' (29.6847)
West 95° 21.294' (-95.3549)

Prepared For:

Marilyn Wolff
Tolunay-Wong Engineers
Houston, Texas

*Prepared on September 26, 2004 by
Atlas Environmental Research, Inc.
9514 McNeil Road, Suite 201
Austin, Texas 78758
1-800-940-0977*



Mapped to 1/4 mile =
RCRIS, ERNS / NRS, PST

Mapped to 1/2 mile =
CERCLIS, NFRAP, LPST, Landfills / CLI,
VCP / BSA / IOP

Mapped to 1 mile =
RCRIS TSD, NPL, Superfund

Approximate Locations Only
1/4, 1/2, & 1 Mile Radii Shown

1:24000

1320 0 1320 Feet

Atlas E.R. Map Legend - ASTM E1527-00 Standard plus CLI, VCP, BSA, IOP

- | | |
|-----------------------------|----------------------------------------|
| ▲ Section 1 - RCRIS | ▲ Section 6 - Superfund Point |
| ▲ Section 1.1 - RCRIS TSD | ● Section 6 - Superfund Boundary |
| △ Section 2 - CERCLIS | ▲ Section 7 - LPST |
| △ Section 3 - NFRAP | ▲ Section 8 - RST |
| △ Section 4 - NPL | ▲ Section 9/9A - MSW / CLI Landfills |
| ▲ Section 5/5A - ERNS / NRS | ● Section 10/10A/10B - VCP / BSA / IOP |

Additional Features

- | |
|-----------------------------|
| ○ Airports |
| ● Major Water |
| ● Parks |
| ++++ Railroads |
| — Rivers & Bayous |
| ★ Subject Property |
| — Subject Property Boundary |

Report Summary

Section	ASTM Database & Date	Radius	# Sites Mapped	# LUs *	MapIDs
1 **	RCRIS (excludes TSDs) – 4/12/2004	¼ mile	1	0	1
1.1 **	RCRIS TSD Facilities – 4/12/2004	1 mile	1	0	2
2	CERCLIS – 5/17/2004	½ mile	0	0	
3	NFRAP – 5/17/2004	½ mile	0	1	
4	NPL – 5/17/2004	1 mile	0	0	
5 ***	ERNS – 5/19/2000	¼ mile	0	0	
5A ***	NRS – 3/15/2002	¼ mile	0	0	
6	State Superfund – 8/30/2004	1 mile	0	0	
7	LPST – 5/3/2004	½ mile	7	0	3-9
8	PST – 8/20/2004	¼ mile	7	1	10-16
9	MSW Landfills – 5/24/2004	½ mile	0	0	
9A	Closed / Abandoned Landfills	½ mile	0	0	
10	VCP – 7/3/2004	½ mile	3	1	17-19
10A	BSA – 7/3/2004	½ mile	0	0	
10B	IOP – 7/3/2004	½ mile	0	0	

Total Sites Mapped = 19

3 = Total LUs

* Location Unknown Sites (LUs) - Extensive effort is made to ensure that as many sites as possible are geocoded or manually pointed for an Atlas E.R. Map & Report. However, due to inaccurate and /or insufficient information within a particular database, some sites cannot be accurately located and may be noted as "LU" in this report. These sites will not appear on the map, but full database information has been included in the report. These sites may or may not be within the area but are submitted for your review.

** All RCRIS Facilities listed within the EPA's CORRACTS (Corrective Action) Database have been included in this report if they are determined to be within the area of review.

*** The NRS (National Response System) replaced the ERNS (Emergency Response Notification System) database in the year 2000. It is the sole federal point of contact for spills information.

Resource Conservation and Recovery Information System (RCRIS) - Atlas E.R. Map Report

Notifier / Non-notifier facilities

Section 1, Page 1

(excludes TSDs, includes CORRACTS and non-CORRACTS Facilities)

Source: Environmental Protection Agency (EPA)
Database Updated: April 12, 2004

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Facility ID: TXD004320453 Notification Date: 09/16/80 Facility Contact: DEAN SMITH

Facility Name: MARATHON METALLIC BLDG

Address: 4601 HOLMES

City: HOUSTON

Zip: 77021

Contact Phone: 7137341611

Corrective Action (CORRACTS): No

MAP ID
1

798

Distance from site (feet)

0.15

Distance from site (miles)

SSE

Direction from site

-95.35382

-X (Decimal Degrees)

29.68287

Y (Decimal Degrees)

Commercial Facility Status: No Data

Transporter Indicator: No Data

UIC Indicator: No Data

Specification Used Oil Marketing: No Data

TSD or Combustion Indicator: No Data

TSD Description: No Data

Generator Description: Not generating hazardous waste, out of business

Generator Indicator: No Data

<u>Eval.</u>	<u>Viol.</u>	<u>Resolved</u>	<u>Enforce.</u>	<u>Penalty</u>
<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Assessed</u>
No Evaluations	No Violations	No Enforcements		

Resource Conservation and Recovery Information System (RCRIS) - Atlas E.R. Map Report

Treatment, Storage, Disposal, and Combustion Facilities

Section 1.1, Page 1

(includes CORRACTS and non-CORRACTS Facilities)

Source: Environmental Protection Agency (EPA)

Database Updated: April 12, 2004

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Facility ID: TXD008096026 Notification Date: 2/2/99 Facility Contact: BRUCE LOESER
 Facility Name: INDUSTRIAL METAL FINISHING INC Contact Phone: 7137476700
 Address: 4200 PERRY Corrective Action (CORRACTS): Yes
 City: HOUSTON Zip: 77021
 Commercial Facility Status: No Data
 Transporter Indicator: No Data
 UIC Indicator: No Data
 Specification Used Oil Marketing: No Data
 TSD or Combustion Indicator: No Data
 TSD Description: Closure/Post Closure
 Generator Description: No Data
 Generator Indicator: Greater than 1,000 kg during any month

MAP ID
2

4532

Distance from site (feet)

0.85

Distance from site (miles)

N

Direction from site

-95.35541

-X (Decimal Degrees)

29.69716

Y (Decimal Degrees)

<u>Eval.</u>			<u>Viol.</u>	<u>Resolved</u>		<u>Enforce.</u>	<u>Penalty</u>
<u>Date</u>	<u>Evaluation Type</u>	<u>Area of Violation</u>	<u>Date</u>	<u>Date</u>	<u>Enforcement Type</u>	<u>Date</u>	<u>Assessed</u>
4/24/198	Comp.Eval.Inspect.On-S	Gen.-Manifest Requirements	4/24/1986	6/2/1987	Written Informal	5/1/1986	
4/24/198	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	4/24/1986	6/2/1987	Written Informal	5/1/1986	
2/24/198	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/24/1989	8/29/198	Written Informal	3/29/1989	
2/24/198	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/24/1989	4/26/198	Written Informal	3/29/1989	
2/24/198	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/24/1989	8/29/198	Written Informal	3/29/1989	
2/24/198	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/24/1989	4/26/198	Written Informal	3/29/1989	
2/24/198	Comp.Eval.Inspect.On-S	Generator-Land Ban Require.	2/24/1989	6/20/198	Written Informal	3/29/1989	
2/24/198	Comp.Eval.Inspect.On-S	State Solid Waste Rule	2/24/1989	4/26/198	Written Informal	3/29/1989	
11/19/19	Comp.&Coord. Inspect	State Solid Waste Rule	11/19/199	1/17/199	Written Informal	12/17/199	
11/19/19	Comp.&Coord. Inspect	Gen.-Other Require.(Impl.)	11/19/199	1/17/199	Written Informal	12/17/199	
11/19/19	Comp.&Coord. Inspect	Gen.-Other Require.(Impl.)	11/19/199	11/26/19	Verbal Informal	11/19/199	
11/19/19	Comp.&Coord. Inspect	State Solid Waste Rule	11/19/199	11/26/19	Verbal Informal	11/19/199	
2/18/200	Comp.Eval.Inspect.On-S	State Solid Waste Rule	2/18/2000	3/7/2000	Verbal Informal	2/18/2000	
2/18/200	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/18/2000	3/7/2000	Verbal Informal	2/18/2000	
2/18/200	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/18/2000	3/7/2000	Verbal Informal	2/18/2000	
2/18/200	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/18/2000	2/29/200	Verbal Informal	2/18/2000	
2/18/200	Comp.Eval.Inspect.On-S	Gen.-Other Require.(Impl.)	2/18/2000	3/7/2000	Verbal Informal	2/18/2000	
2/18/200	Comp.Eval.Inspect.On-S	State Solid Waste Rule	2/18/2000	2/29/200	Verbal Informal	2/18/2000	

No Further Remedial Action Planned Sites (NFRAP) - Archived CERCLIS Sites

Atlas E.R. Map Report
Section 3, Page 1

Source: Environmental Protection Agency (EPA)
Database Updated: May 17, 2004

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EPA ID Number: TXD980697064
Site Name: METRO WASTE MANAGEMENT INC

Incident Type:
NPL Status: N
Federal Facility Status: N

MAP ID
LU

Address: ST AUGUSTINE
City: HOUSTON Zip: 77021
Site Characteristic:

0
Distance from site (feet)

0
Distance from site (miles)

Direction from site

-X (Decimal Degrees)

Y (Decimal Degrees)

Site Characteristic:

Event

Date Started Date Finished

DISCOVERY

19800101

PRELIMINARY ASSESSMENT

19810901 19810901

VS

19810901

Texas Leaking Underground Petroleum Storage Tanks (LPST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 7, Page 1

Database Updated: May 3, 2004

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108689	FAST SEVEN FOOD STORE	FAST SEVEN FOOD STORE	<div>MAP ID</div> <div>3</div>
LPST ID Number	Facility Name	PRP - Name	
0030097	4666 S LOOP E	4666 S LOOP E	
Facility ID Number	Facility Address	PRP - Address	
6/10/1994	4666 S LOOP E	HOUSTON TX 77033	1622
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77033	ABURIZEQ MOHAMME 713/733-5107	0.3
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
No groundwater impact, no apparent threats or impacts to receptors			SE
Priority			Direction from site
Final concurrence issued, case closed			-95.35151
Status			-X (Decimal Degrees)
			29.68156
			Y (Decimal Degrees)
107923	E L LESTER COMPANY	E L LESTER CO	<div>MAP ID</div> <div>4</div>
LPST ID Number	Facility Name	PRP - Name	
0002133	7455 CULLEN	7455 CULLEN	
Facility ID Number	Facility Address	PRP - Address	
3/10/1994	7455 CULLEN	HOUSTON TX 77051	2055
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77051	OSCAR HAHN 281/470-0209	0.38
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
Groundwater impacted, no apparent threats or impacts to receptors			S
Priority			Direction from site
Final concurrence pending documentation of well plugging			-95.35547
Status			-X (Decimal Degrees)
			29.67921
			Y (Decimal Degrees)
106341	CALHOUN ROAD SITE	HART RONALD	<div>MAP ID</div> <div>5</div>
LPST ID Number	Facility Name	PRP - Name	
	6919 CALHOUN RD	6919 CALHOUN	
Facility ID Number	Facility Address	PRP - Address	
8/5/1992	6919 CALHOUN RD	HOUSTON TX 77021	1401
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77021	RONALD HART /-	0.26
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
No groundwater impact, no apparent threats or impacts to receptors			ENE
Priority			Direction from site
Final concurrence issued, case closed			-95.35111
Status			-X (Decimal Degrees)
			29.68661
			Y (Decimal Degrees)

Texas Leaking Underground Petroleum Storage Tanks (LPST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 7, Page 2

Database Updated: May 3, 2004

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100332	CLOSED PROPERTY	WIESE BILL	<div>MAP ID</div> <div>6</div>
LPST ID Number	Facility Name	PRP - Name	
0060984	4600 HOLMES RD	PO BOX 8096	
Facility ID Number	Facility Address	PRP - Address	
9/10/1991	HOLMES RD	SPRINGS VILLAGE AR 71909	771
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77033	BILL WIESE 501/922-0189	0.14
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
			SSE
Soil contamination only, requires full site assessment & rap			Direction from site
Priority			-95.35413
Final concurrence issued, case closed			-X (Decimal Degrees)
Status			29.68283
			Y (Decimal Degrees)
114881	CHEVRON 60108216	CHEVRON PRODUCTS CO	<div>MAP ID</div> <div>7</div>
LPST ID Number	Facility Name	PRP - Name	
0029231	7410 CULLEN BLVD	PO BOX 4256	
Facility ID Number	Facility Address	PRP - Address	
7/23/1999	7410 CULLEN BLVD	HOUSTON TX 77210	1691
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77051	ADRIANNE ROBINSON 713/219-5226	0.32
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
			S
Groundwater impacted, no apparent threats or impacts to receptors			Direction from site
Priority			-95.35587
Final concurrence pending documentation of well plugging			-X (Decimal Degrees)
Status			29.68025
			Y (Decimal Degrees)
091211	TRIS AUTO REPAIR	EXXON CO USA	<div>MAP ID</div> <div>8</div>
LPST ID Number	Facility Name	PRP - Name	
0026742	4400 S LOOP E	PO BOX 2180	
Facility ID Number	Facility Address	PRP - Address	
1/21/1987	4400 S LOOP E	HOUSTON TX 77252	1674
Date Reported	Facility Location	PRP - City PRP - State PRP - Zip	Distance from site (feet)
	HOUSTON 77033	KRIS GAGNON 713/656-7743	0.31
	Facility City Facility Zip	PRP - Contact PRP - Phone	Distance from site (miles)
			S
Soil contamination only, requires full site assessment & rap			Direction from site
Priority			-95.35545
Final concurrence issued, case closed			-X (Decimal Degrees)
Status			29.68025
			Y (Decimal Degrees)

Texas Leaking Underground Petroleum Storage Tanks (LPST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 7, Page 3

Database Updated: May 3, 2004

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115103	BIG TEX TIRE & WHEEL		BIG TEX TIRE & WHEEL			<div>MAP ID</div> <div>9</div>	
LPST ID Number	Facility Name		PRP - Name				
0073720	7128 CULLEN BLVD		7128 CULLEN BLVD				
Facility ID Number	Facility Address		PRP - Address				
10/27/2000	7128 CULLEN BLVD		HOUSTON TX 77021			170	
Date Reported	Facility Location		PRP - City PRP - State PRP - Zip			Distance from site (feet)	
	HOUSTON 77021		VICTORIA DAVIS 713/747-4488			0.03	
	Facility City Facility Zip		PRP - Contact PRP - Phone			Distance from site (miles)	
Groundwater impact, public/domestic water supply well within 0.25 - 0.50 miles							NW
							Direction from site
Priority							-95.35536
Final concurrence pending documentation of well plugging							-X (Decimal Degrees)
Status							29.68511
							Y (Decimal Degrees)

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 8, Page 1

Database Updated: August 20, 2004

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Facility Name, Location, & Manager:

SWOR'S GLASS & MIRROR INC.
4342 HOLMES RD
HOUSTON
77051

D. L. SWOR
7137382464

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 4271
Registration Date: 050886
Facility Type: Fleet Refueling
Underground Tanks: 0001
Above-Ground Tanks: 0000

Owner Information:
SWORS GLASS & MIRROR INC

7137382464

MAP ID
10

1241

Distance from site (feet)

0.23

Distance from site (miles)

SW

Direction from site

-95.35725

-X (Decimal Degrees)

29.68206

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
1	010185	Removed from ground	041599	0003000	Underground

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material: Steel
Other Tank Material:
Pipe Material: Steel
Other Pipe Material:

Facility Name, Location, & Manager:

AMERIGAS, INC. IND'L GASSES DIV.
4340 HOLMES RD
HOUSTON
77051

P. GATTON
7139434906

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 11060
Registration Date: 050886
Facility Type: Unidentified
Underground Tanks: 0001
Above-Ground Tanks: 0000

Owner Information:
AMERIGAS INC

7139434906

MAP ID
11

1269

Distance from site (feet)

0.24

Distance from site (miles)

SW

Direction from site

-95.35736

-X (Decimal Degrees)

29.68204

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
1	010180	Perm. filled in place	060187	0001000	Underground

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material: Steel
Other Tank Material:
Pipe Material: Steel
Other Pipe Material:

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 8, Page 2

Database Updated: August 20, 2004

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Facility Name, Location, & Manager:

EXXON CO. USA 64655
7303 CULLEN & HOLME
HOUSTON
77051

E. SVOBODA
7137975435

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 26650
Registration Date: 050886
Facility Type: Unidentified
Underground Tanks: 0004
Above-Ground Tanks: 0000

Owner Information:
EXXON MOBIL CORPORATION
ERIC
MCPHEE
303-986-8011

MAP ID
12

916

Distance from site (feet)

0.17

Distance from site (miles)

SSW

Direction from site

-95.3559

-X (Decimal Degrees)

29.68243

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
3	083187	Perm. filled in place	083187	0005000	Underground
Compartment: A Capacity: 0 Substance: Gasoline Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:		
2	083187	Perm. filled in place	083187	0004000	Underground
Compartment: A Capacity: 0 Substance: Gasoline Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:		
1	083187	Perm. filled in place	083187	0003000	Underground
Compartment: A Capacity: 0 Substance: Gasoline Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:		
4	083187	Perm. filled in place	083187	0000550	Underground
Compartment: A Capacity: 0 Substance: Used Oil Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:		

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)
Database Updated: August 20, 2004

Section 8, Page 3

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Facility Name, Location, & Manager:

BIG Z LUMBER CO.
7225 CULLEN BLVD
HOUSTON
77021

H. RECTOR
7137481730

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 27955
Registration Date: 050886
Facility Type: Unidentified
Underground Tanks: 0001
Above-Ground Tanks: 0000

Owner Information:
BIG Z LUMBER CO

7137481730

MAP ID
13

472

Distance from site (feet)

0.08

Distance from site (miles)

SSW

Direction from site

-95.35553

-X (Decimal Degrees)

29.68361

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
1	010175	Removed from ground	082390	0003000	Underground

Compartment: A
Capacity: 0
Substance:
Other Substance: Empty

Tank Material: Steel
Other Tank Material:
Pipe Material: FRP (fiberglass-reinforced plastic)
Other Pipe Material:

Facility Name, Location, & Manager:

NOT COMPANY OWNED
4600 HOLMES RD
HOUSTON
77033

W WIESE
5019220189

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 60984
Registration Date: 102191
Facility Type: Other
Underground Tanks: 0004
Above-Ground Tanks: 0000

Owner Information:
WIESE WILLIAM V

W WIESE
5019220189

MAP ID
14

775

Distance from site (feet)

0.14

Distance from site (miles)

SSE

Direction from site

-95.35412

-X (Decimal Degrees)

29.68282

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
2		Removed from ground	091091	0003000	Underground

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material: Steel
Other Tank Material:
Pipe Material: Steel
Other Pipe Material:

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)
Database Updated: August 20, 2004

Section 8, Page 4

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3	Removed from ground	091091	0002000	Underground
	Compartment: A Capacity: 0 Substance: Gasoline Other Substance:		Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:	
4	Removed from ground	091091	0001000	Underground
	Compartment: A Capacity: 0 Substance: Used Oil Other Substance:		Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:	
1	Removed from ground	091091	0003000	Underground
	Compartment: A Capacity: 0 Substance: Gasoline Other Substance:		Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:	

Facility Name, Location, & Manager:

None
7129 Cullen
HOUSTON
77021

Pope
713-527-9325

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 73393
Registration Date: 081100
Facility Type: Unidentified
Underground Tanks: 0003
Above-Ground Tanks: 0000

Owner Information:

DOYLE CORPORATION
Dougal
Pope
713-527-9325

MAP ID
15

96
Distance from site (feet)
0.01
Distance from site (miles)
NNW
Direction from site
-95.35513
-X (Decimal Degrees)
29.68502
Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
1	083187	Removed from ground	010175	0006000	Underground
	Compartment: A Capacity: 0 Substance: Gasoline Other Substance:		Tank Material: Other Tank Material: Pipe Material: Other Pipe Material:		

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 8, Page 5

Database Updated: August 20, 2004

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2	083187	Removed from ground	010175	0006000	Underground
---	--------	---------------------	--------	---------	-------------

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material:
Other Tank Material:
Pipe Material:
Other Pipe Material:

3	083187	Removed from ground	010175	0001000	Underground
---	--------	---------------------	--------	---------	-------------

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material:
Other Tank Material:
Pipe Material:
Other Pipe Material:

Facility Name, Location, & Manager:

Big Tex Tire & Wheel
7128 Cullen Blvd
HOUSTON
77021

Davis
713-747-4488

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 73720
Registration Date: 121800
Facility Type: Retail
Underground Tanks: 0003
Above-Ground Tanks: 0000

Owner Information:

BIG TEX TIRE & WHEEL
Victoria
Davis
713-747-4488

MAP ID
16

165
Distance from site (feet)
0.03
Distance from site (miles)
NW
Direction from site
-95.35536
-X (Decimal Degrees)
29.68509
Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
---------	----------------	-------------	-------------	---------------	-----------

1	083187	Removed from ground	101700	0006000	Underground
---	--------	---------------------	--------	---------	-------------

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material: Steel
Other Tank Material:
Pipe Material: FRP (fiberglass-reinforced plastic)
Other Pipe Material:

2	083187	Removed from ground	101700	0006000	Underground
---	--------	---------------------	--------	---------	-------------

Compartment: A
Capacity: 0
Substance: Gasoline
Other Substance:

Tank Material: Steel
Other Tank Material:
Pipe Material: FRP (fiberglass-reinforced plastic)
Other Pipe Material:

Texas Petroleum Storage Tanks (PST)

Atlas E.R. Map Report

Source: Texas Commission on Environmental Quality (TCEQ)

Section 8, Page 6

Database Updated: August 20, 2004

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3	083187	Removed from ground	101700	0003000	Underground
Compartment: A Capacity: 0 Substance: Gasoline Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: FRP (fiberglass-reinforced plastic) Other Pipe Material:		

2		Unknown			Underground
Compartment: B Capacity: 0 Substance: Diesel Other Substance:			Tank Material: Other Tank Material: Pipe Material: Other Pipe Material:		

Facility Name, Location, & Manager:

SIDNEY MCCLENDON III
SW CALHOUN ST
HOUSTON

SIDNEY S MCCLENDON
7137582114

Operator First Name:
Operator Last Name:
Operator Phone:

Facility Number: 64071
Registration Date: 123092
Facility Type: Other
Underground Tanks: 0002
Above-Ground Tanks: 0000

Owner Information:
MCCLENDON III

SIDNEY MCCLENDON
7137582114

MAP ID
LU

0

Distance from site (feet)

0

Distance from site (miles)

Direction from site

-X (Decimal Degrees)

Y (Decimal Degrees)

Tank ID	Installed Date	Tank Status	Status Date	Tank Capacity	UST / AST
1	083187	Removed from ground	112198	0010000	Underground
Compartment: A Capacity: 0 Substance: Other Substance: Unknown			Tank Material: Other Tank Material: Pipe Material: Other Pipe Material:		
2	083187	Removed from ground	112198	0004000	Underground
Compartment: A Capacity: 0 Substance: Diesel Other Substance:			Tank Material: Steel Other Tank Material: Pipe Material: Steel Other Pipe Material:		

Voluntary Cleanup Program Database (VCP)

Atlas E.R. Map Report

Section 10, Page 1

Source: Texas Commission on Environmental Quality (TCEQ)

Database Updated: July 3, 2004

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TCEQ VCP ID Number: 0628
TCEQ Solid Waste Registration Number:
TCEQ LPST Tank Number:
EPA ID / CERCLIS Registration Number:
EPA ID / RCRIS Registration Number:

Site Name: Cullen Maintenance Facility
Site Address: 7440 Cullen Boulevard
Site City: Houston
Facility Type: Former Oilfield Service Company

Contaminant Categories: TPH

TCEQ Project Manager: Ellington
Application Received: 10/13/97
Type Lead: Owner
Phase: Post Closure

Size of Site (Acres): 16
Latitude: 29-40-33
Longitude: 95-21-30

Media Affected: Soils/Groundwater

MAP ID
17

1783

Distance from site (feet)

0.33

Distance from site (miles)

S

Direction from site

-95.35587

-X (Decimal Degrees)

29.68

Y (Decimal Degrees)

Applicant Information

Name: City of Houston, Facilities Division
Address: P.O. Box 1562
City: Houston
State: TX
Zip: 77251-1562

Contact First Name: Leah
Contact Last Name: Flanagan
Contact Title: Project Manager
Phone: 713-754-9703
Fax: 713-651-2574

Consultant Information

Name: Roy F. Weston, Inc.
Address: 5599 San Felipe, Suite 700
City: Houston
State: TX
Zip: 77056

Contact First Name: Shekhar
Contact Last Name: Iyer
Contact Title: Project Manager
Phone: 713-621-1620
Fax: 713-621-6959

Date of Agreement: 11/12/97
Rules (Risk Reduction or PST): RRR
Standards (Risk Reduction 1,2,3 or PST Plan A / B): 3
Certificate Issued:
Type of Certificate (Conditional or Final):

Voluntary Cleanup Program Database (VCP)

Atlas E.R. Map Report

Section 10, Page 2

Source: Texas Commission on Environmental Quality (TCEQ)

Database Updated: July 3, 2004

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TCEQ VCP ID Number: 0400
TCEQ Solid Waste Registration Number: 35075
TCEQ LPST Tank Number:
EPA ID / CERCLIS Registration Number: 004320453
EPA ID / RCRIS Registration Number:

Site Name: 4601 Holmes Road
Site Address: 4601 Holmes Road
Site City: Houston
Facility Type: Former Metallic Building Company

Contaminant Categories: TPH, metals

TCEQ Project Manager: Coker
Application Received: 11/13/96
Type Lead: Owner
Phase: Completed

Size of Site (Acres): 14.8
Latitude: 29-41-00
Longitude: 95-21-57

Media Affected: Soils

MAP ID
18

780

Distance from site (feet)

0.14

Distance from site (miles)

SSE

Direction from site

-95.35412

-X (Decimal Degrees)

29.6828

Y (Decimal Degrees)

Applicant Information

Name: General Cable Corporation
Address: 4 Tesseneer Drive
City: Highland Heig
State: KY
Zip: 41076

Contact First Name: Robert J.
Contact Last Name: Siverd, Esq.
Contact Title: Executive VP/General Cou
Phone: 606-572-8890
Fax: 606-572-8444

Consultant Information

Name: ENTACT
Address: 1616 Corporate Court, Suite 150
City: Irving
State: TX
Zip: 75038

Contact First Name: Kelton
Contact Last Name: Tonn, P.E.
Contact Title: Project Engineer
Phone: 214-580-1323
Fax: 214-550-7464

Date of Agreement: 12/6/96
Rules (Risk Reduction or PST): RRR
Standards (Risk Reduction 1,2,3 or PST Plan A / B): 2
Certificate Issued: 7/20/98
Type of Certificate (Conditional or Final): F

Voluntary Cleanup Program Database (VCP)

Atlas E.R. Map Report

Section 10, Page 3

Source: Texas Commission on Environmental Quality (TCEQ)

Database Updated: July 3, 2004

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TCEQ VCP ID Number: 1539
TCEQ Solid Waste Registration Number:
TCEQ LPST Tank Number:
EPA ID / CERCLIS Registration Number:
EPA ID / RCRIS Registration Number:

Site Name: Cullen @ Holmes Property
Site Address: 7224 Cullen Boulevard
Site City: Houston
Facility Type: Vacant Property

Contaminant Categories: Metals, TPH

TCEQ Project Manager: Christiano
Application Received: 20021203
Type Lead: Owner
Phase: Investigation

Size of Site (Acres): 6.694
Latitude:
Longitude:

Media Affected: Soils

MAP ID
19

774

Distance from site (feet)

0.14

Distance from site (miles)

SSW

Direction from site

-95.35585

-X (Decimal Degrees)

29.68283

Y (Decimal Degrees)

Applicant Information

Name: W. T. Peckinpaugh Jr. Estate Properties
Address: 5110 San Felipe, Suite 202
City: Houston
State: TX
Zip: 77056

Contact First Name: Kathleen
Contact Last Name: Brown
Contact Title: Managing Partner
Phone: 713-552-0606
Fax:

Date of Agreement:

Rules (Risk Reduction or PST): TRRP

Standards (Risk Reduction 1,2,3 or PST Plan A / B): A

Certificate Issued:

Type of Certificate (Conditional or Final):

Consultant Information

Name: HBC Engineering
Address: 11555 Clay Road, Suite 100
City: Houston
State: TX
Zip: 77043

Contact First Name: 713-690-8787
Contact Last Name: Garrett
Contact Title: Consultant
Phone: 713-690-8989
Fax: 713-690-8787

Voluntary Cleanup Program Database (VCP)

Atlas E.R. Map Report

Section 10, Page 4

Source: Texas Commission on Environmental Quality (TCEQ)

Database Updated: July 3, 2004

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TCEQ VCP ID Number: 0622
TCEQ Solid Waste Registration Number:
TCEQ LPST Tank Number:
EPA ID / CERCLIS Registration Number:
EPA ID / RCRIS Registration Number:

Site Name: Sunnyside-Up Park
Site Address: Sherwood Drive
Site City: Houston
Facility Type: Vacant Property

Contaminant Categories: Metals

TCEQ Project Manager: Smith
Application Received: 10/3/97
Type Lead: Purchaser
Phase: Remediation

Size of Site (Acres): 0.6
Latitude: 29-41-13
Longitude: 95-21-43

Media Affected: Soils

MAP ID
LU

0

Distance from site (feet)

0

Distance from site (miles)

Direction from site

-X (Decimal Degrees)

Y (Decimal Degrees)

Applicant Information

Name: Sunnyside-Up, Inc.
Address: 4001 Corder, Suite 179
City: Houston
State: TX
Zip: 77021-5731

Contact First Name: Christophe
Contact Last Name: W. Oliver
Contact Title: Project Manager
Phone: 713-748-3949
Fax: 713-748-1462

Consultant Information

Name: Malcolm Pirnie, Inc.
Address: 1700 West Loop South, Suite 950
City: Houston
State: TX
Zip: 77027

Contact First Name: Gale
Contact Last Name: Antoinette
Contact Title: Project Scientist
Phone: 713-960-7424
Fax:

Date of Agreement: 2/19/98
Rules (Risk Reduction or PST): RRR
Standards (Risk Reduction 1,2,3 or PST Plan A / B): 2
Certificate Issued:
Type of Certificate (Conditional or Final):

Houston Fire Department Search Request

009-6
Swanson

Following are all incidents at the requested location to which the Hazardous Materials Response Team responded from January 1, 1994 through today's date; they are not necessarily the only spills that may have occurred during the period of time. This report has been furnished by the Hazardous Materials Response Team. Contact person is Senior Captain Troy D. Lilley, phone number (713) 928-6711; FAX number (713) 928-6160.

NOTE: HMRT does not maintain records for locations outside of the City of Houston.

Requesting Company: TOLUNAY WONG

Company Representative: BARRY CHAMBERLAIN

Company FAX Number: 71372203199/24/2004 - 17:54:55

Search ID #00805: Key Map coordinate 533R *Swanson*

950626313 - 06/26/95 - 4666 South Loop East & Calais - Diesel - 20 gal

960219130 - 02/19/96 - 4949 Bataan - (Turn around) -

960227148 - 02/27/96 - 4542 Holmes Rd. - (Turn around) -

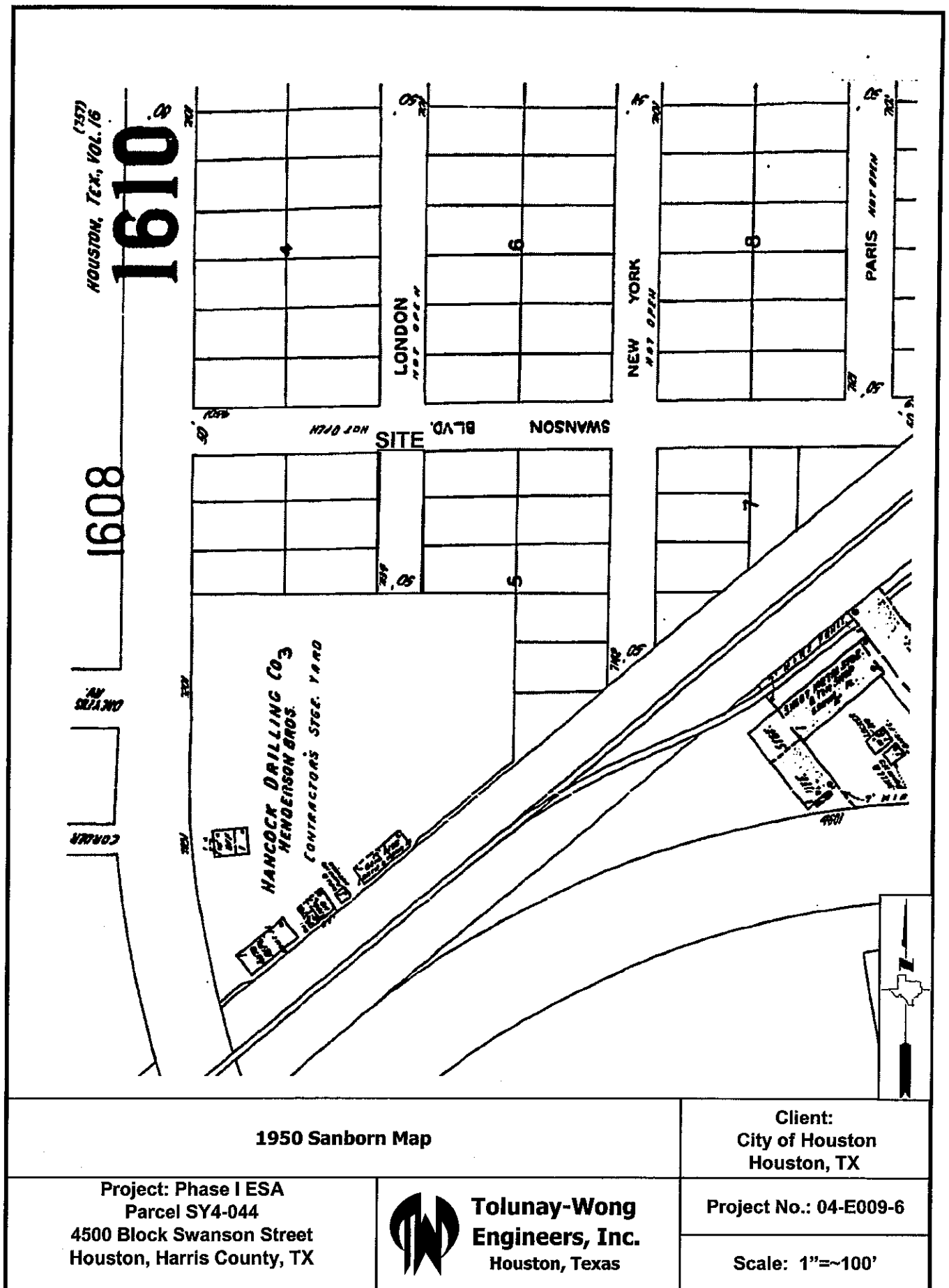
960421162 - 04/21/96 - 6600 Madrid - (Turn around) -

970501185 - 05/01/97 - 6800 Calhoun - Hydraulic Oil - Undetrmd Amt
971112198 - 11/12/97 - 4400 South Loop East - Oxygen liquefied - 150 gal
980216578 - 02/16/98 - 4600 Ward - (Turn around) -
980802033 - 08/02/98 - 4700 South Loop East - Oxygen liquefied - Undetrmd Amt
981007329 - 10/07/98 - 4800 South Loop East & Calais - Diesel - 45 gal
981123271 - 11/23/98 - 4226 Yellowstone - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 533R during 1999.

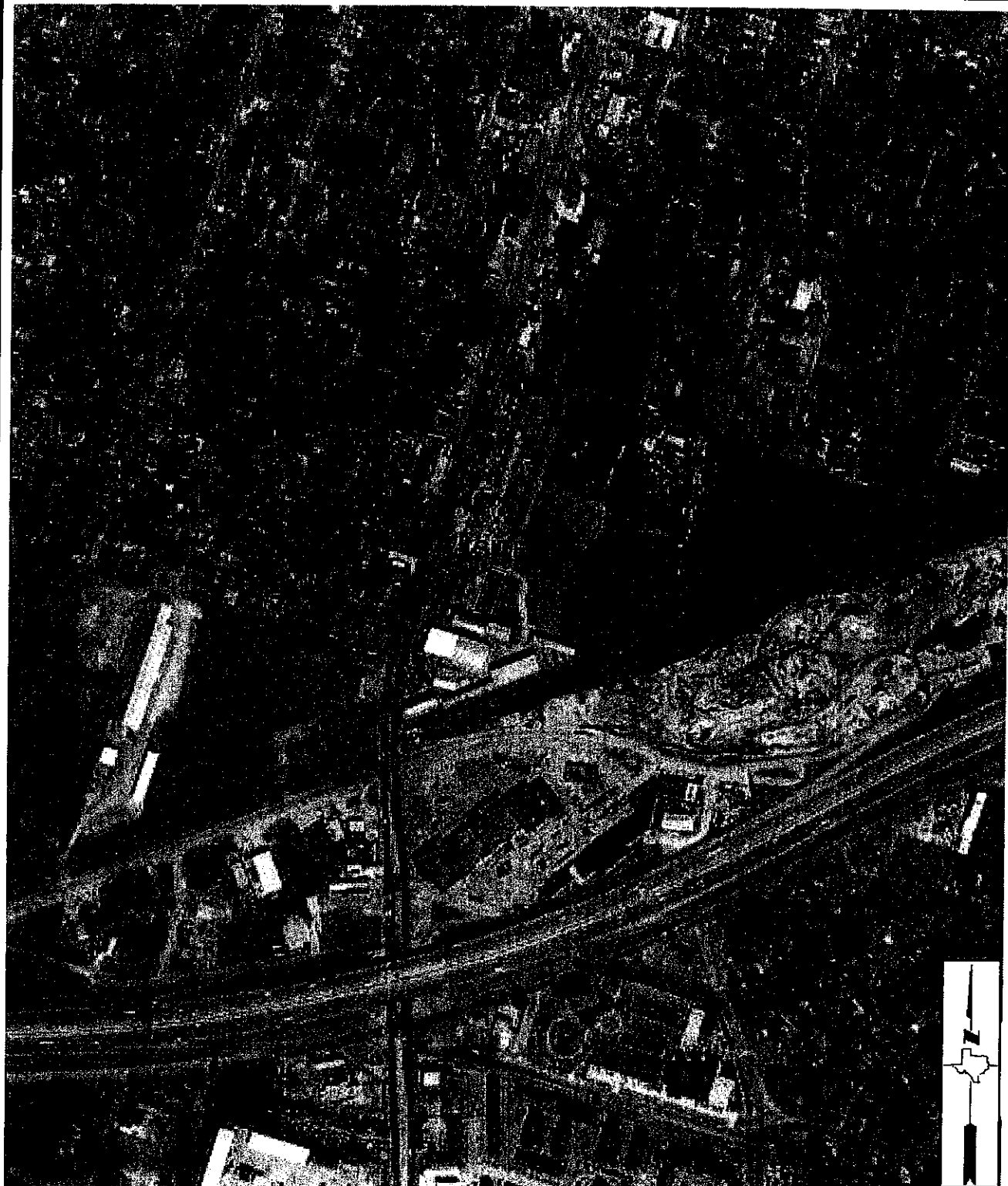
000614200 - 06/14/00 - 7100 Calais - Diesel - 35 gal
000921367 - 09/21/00 - 6700 Cullen - (Turn around) -
010225363 - 02/25/01 - 4801 South Loop East - Diesel - 40 gal
010304558 - 03/04/01 - 4714 Ward - (Turn around) -
011003306 - 10/03/01 - 6811 Eastwood - (Turn around) -
020502263 - 05/02/02 - 7119 Goforth - Natural Gas - Undetrmd Amt
020718596 - 07/18/02 - 6738 Goforth - Gasoline - Undetrmd Amt
021010128 - 10/10/02 - 7128 Goforth - (Turn around) -
0311140069 - 11/14/03 - 6802 Cullen - (Turn around) -
0312170488 - 12/17/03 - 13306 Cullen - (Turn around) -
0401280284 - 01/28/04 - 4400 Holmes Rd. - Diesel - Undetrmd Amt

End search: 18:00:24 (1 mins., 12 secs.) 9/24/2004 - 18:00:45





Scale: 1"=~150'



2002 Aerial Photograph

Client:
City of Houston
Houston, TX

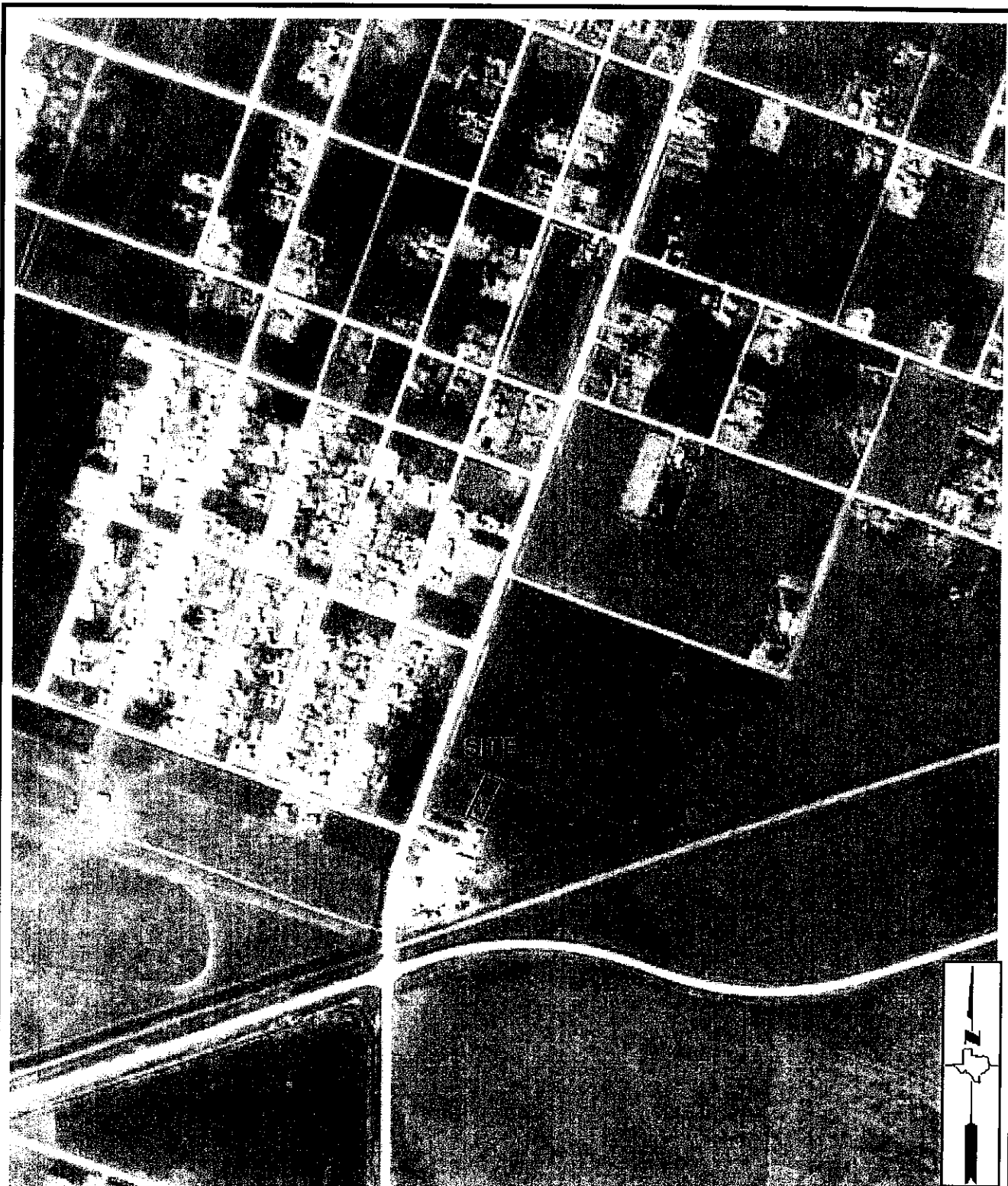
Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=500'



1944 Aerial Photograph

Client:
City of Houston
Houston, TX

Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=~500'



1953 Aerial Photograph

Client:
City of Houston
Houston, TX

Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=~500'



1969 Aerial Photograph

Client:
City of Houston
Houston, TX

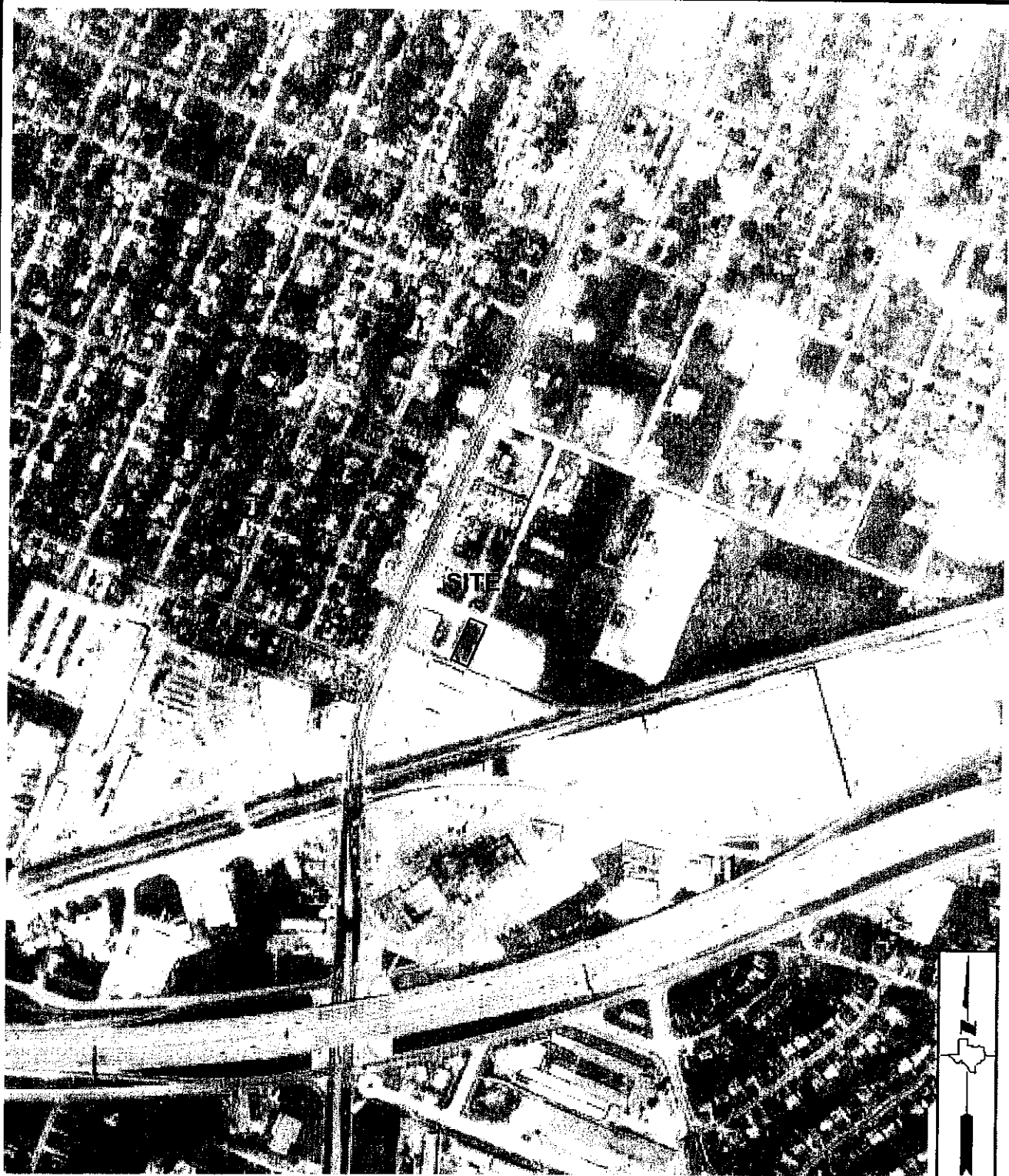
Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=500'



1979 Aerial Photograph

Client:
City of Houston
Houston, TX

Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=~500'



1989 Aerial Photograph

Client:
City of Houston
Houston, TX

Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=~500'



1995 Aerial Photograph

Client:
City of Houston
Houston, TX

Project: Phase I ESA
Parcel SY4-044
4500 Block Swanson Street
Houston, Harris County, TX



Tolunay-Wong
Engineers, Inc.
Houston, Texas

Project No.: 04-E009-6

Scale: 1"=~500'

SUMMARY

The underground storage tank system located at Big Tex Tire and Wheel, 7128 Cullen, Houston, Texas was a fleet fueling facility for company vehicles and equipment. The system consisted of (2) two 6000 gallon and (1) one 3000 gallon steel tanks for gasoline and diesel. The dispensing equipment was submerge pumps with remote dispensers. The facility was originally a service station serving the public.

A Construction Notification was filed with the TNRCC for Removal of the UST system. A request for waiver of the thirty day notification was submitted to Ms. LaJuan Julun, Region 12. An approval of the request was acknowledged by Ms. Julun.

The planned removal was initiated, the top of the tanks were excavated and the product lines were drained into the tanks. U.S. Filter Recovery Services removed the liquids from the tanks. The tanks were triple rinsed and degassed. The liquids and rinsate were transported to the U.S. Filter Recovery Services recycling facility in Baytown, Texas.

The tanks were removed from the ground and inspected. The two 6000 gallon tanks had no apparent holes, but did have electrolysis impact. Inspection of the 3000 gallon tank revealed several areas of electrolysis and holes.

Soil samples were collected from the tank pit walls, bottom and backfill. A sample was collected from the island area. The samples were placed in glass jars with Teflon lined lids and placed on ice for transport to Environ Express Laboratories for analysis of TPH, BTEX and PAH on the sample with the highest TPH. Strict EPA Chain of Custody protocol was followed.

Analytical results of the soil samples from the island and walls were below action levels for TPH and BTEX. The highest results of the three backfill samples were 0.37ppm Benzene and 112ppm C6 to C10 and 247ppm C10 to C28 TPH. The Benzene results of the three bottom samples were, #1 6.9ppm, #2 1.74ppm, #3 9.4ppm. The TPH results were #1 <50ppm, #2 87ppm, #3 139ppm. The PAH results of the Backfill #2 sample were below action levels.

The analytical results were reported to Ms. Paula Gonzales, RPR Division, TNRCC Austin.

This site is considered to be a LPST site.

At this time, the Removal of the underground storage tank system at this site is considered completed.

RELEASE DETERMINATION REPORT FORM

Owners and operators must report releases by phone to the appropriate TNRCC Region Office within 24 hours of confirmation. The owner and operator should use this form to comply with the reporting requirements in Title 30, Texas Administrative Code §334.77(b). Submit the completed form within 20 days after release confirmation. EXCEPT IN EMERGENCIES, THE TNRCC WILL INITIATE ACTION ON THIS CASE ONLY WHEN THE COMPLETED FORM (pages 6 through 15) IS SUBMITTED WITH ATTACHMENTS TO BOTH THE APPROPRIATE TNRCC REGIONAL OFFICE AND TO THE CENTRAL OFFICE IN AUSTIN (PST Division, MC 137, P.O. Box 13087, Austin, Texas 78711-3087). **DO NOT MODIFY THIS FORM IN ANY WAY.** Complete all applicable blanks. Incomplete forms will be returned without review. All proposals for the next appropriate corrective action activity must be submitted by a CAS and PM in the format outlined in the guidance document entitled *Preapproval for Corrective Action Activities* (RG-111).

SUMMARY

Based on the information obtained during this release determination and by comparing the contaminant levels to the stated action levels, check one of these four items as appropriate:

- ☐ This was a suspected release. No contamination was detected due to this suspected release.
- ☒ This site is an LPST site. Contaminant levels exceed action levels (or one of the other criteria applies).
- ☐ This site is not an LPST site. Contaminant levels do not exceed action levels (and none of the other criteria applies).
- ☐ This site is not an LPST site. No contamination was detected (and none of the other criteria applies).

IF THIS SITE IS AN LPST SITE, COMPLETE THE REMAINDER OF THIS FORM (except Section B). If this site is not an LPST site, stop here and complete Sections A, C, and G (and Section B if applicable) of the attached form.

- ☐ Check here if this site is an existing LPST case and this Release Determination Report is being submitted only as the tank removal-from-service documentation.

Answer the following questions in this Summary Section if this is an LPST case and if the CAS and PM sign the form in Section G. This section is to be completed by a CAS and PM only. If the form is completed by someone other than a CAS and PM, leave the rest of this Summary Section blank and go to Section A.

Is this case eligible for reimbursement of necessary corrective actions? ☐ YES ☒ NO If not, appropriate corrective action in accordance with applicable rules and guidance may continue without specific direction or approval from the PST Division, however, coordination with the PST Division is recommended. If the site is eligible for reimbursement, all corrective action activities, with the exception of NAPL recovery and emergency abatement activities, must be preapproved prior to initiation.

The next appropriate step for this site, if it is an LPST site, is (check one only):

- ☐ **Case closure** If checked, attach *Site Closure Request Form* (TNRCC-0028). Please be sure the site meets all requirements for closure prior to submitting the *Site Closure Request Form*. Are there costs associated with case closure?
☐ YES ☐ NO If YES, and if the site is eligible for reimbursement, attach a cost proposal and workplan with the *Site Closure Request Form*.
- ☒ **Risk-Based Assessment** The risk-based assessment is needed only when the existing assessment data is not an adequate basis for site closure. Please critically evaluate the need for additional assessment before selecting this option. Refer to pamphlet RG-175 for guidance on conducting the risk-based assessment. Attach a detailed workplan and proposal if the site is eligible for reimbursement. A proposal must be submitted with this form if the RP is financially able to undertake necessary corrective actions.
- ☐ **Corrective action other than risk-based assessment** Attach a detailed workplan and proposal if the site is eligible for reimbursement and the RP is financially able to undertake necessary corrective actions.

Is the responsible party financially able to complete the next appropriate step? ☒ YES ☐ NO If Yes, attach proposal as specified above. If No, contact the PST Division at 512/239-2200 to request information on the State-Lead option. Financial ability determination forms must be completed and submitted to document that the RP is financially unable to continue necessary corrective actions.

A. GENERAL INFORMATION

LPST ID No.: _____ (If known) TNRCC Region: 12 Priority: 4.0
(see pages 13-15)

Facility ID No.: NL90116 Required unless one of the following applies:

- ☐ Check here if tank registration is not required for this site (per 30 TAC §334.7), and check one of the following as applicable:
- ☐ the tank(s) are partially excluded or exempted from jurisdiction under 30 TAC Chapter 334. Specify type or usage of tank(s): _____
 - ☐ the tank(s) were permanently removed from the ground before May 8, 1986 (provide date of removal _____);
 - ☐ the tank(s) remained in the ground but were emptied, cleaned, and filled with inert substance before January 1, 1974 (provide date of activities: _____);
 - ☐ the tank(s) were out of operation, their existence was unknown, and they were permanently removed from service within 60 days of their discovery (provide date of discovery: _____ Describe method of discovery: _____)

Prior to this investigation, was this site ever an LPST site? ☐ YES or X NO If yes, provide LPST ID number: _____

Tank Owner: Big Tex Tire and Wheel

Tank Owner Mailing Address: 7128 Cullen Blvd.

Tank Owner City: Houston State: TX Zip: 77021

Tank Owner Contact Person: Ms. Victoria R. Davis Phone: 713-747-4488 Fax no.: 713-747-0551

Tank Operator (if different from tank owner): _____

Tank Operator Mailing Address: _____

Tank Operator City: _____ State: _____ Zip: _____

Tank Operator Contact Person: _____ Phone: _____ Fax no.: _____

Land Owner (if different from tank owner and operator): _____

Land Owner Mailing Address: _____

Land Owner City: _____ State: _____ Zip: _____

Land Owner Contact Person: _____ Phone: _____ Fax no.: _____

If this site is an LPST site, which of these parties will oversee the corrective actions at this site?

X Tank Owner ☐ Tank Operator ☐ Land Owner

☐ Other (not the contractor or consultant): Name: _____

Address: _____

City: _____ State: _____ Zip: _____ Contact person: _____

Phone: _____ Fax: _____

A representative of the party overseeing the corrective action must sign this form in Section G. Please note that no matter which party conducts corrective action, the tank owner and the tank operator are jointly responsible for the necessary corrective actions.

Facility Name: BIG TEX TIRE AND WHEEL

Facility Physical Address: 7128 Cullen

City: Houston County: Harris County Code (see p. 16): 101

A. GENERAL INFORMATION

INDICATE TYPE OF RELEASE: (check one) ☐ Suspected ☐ Confirmed but below action levels (not an LPST site)
☒ X Confirmed and above action levels (LPST site) ☐ No evidence of contamination (all results below detection limits)
Please refer to flowchart and Title 30 Texas Administrative Code, §334.71 - 334.77 for descriptions and procedures for suspected and confirmed releases.

Were copies of this **COMPLETED** form (excluding pages 1 through 5) **AND APPROPRIATE ATTACHMENTS**, including a proposal (if RP is financially able), sent to **both** the TNRCC Central Office and to the Region Office? ☒ YES ☐ NO (IF THE FORM IS NOT COMPLETE, THIS DOCUMENT WILL BE RETURNED WITHOUT REVIEW).

Indicate number of tanks currently and formerly located at this site (attach pages as necessary):

	Type (UST/AST)	Product Type	Size (approx. gal)	Date Removed from Service
Current:	_____	_____	_____	
	_____	_____	_____	
	_____	_____	_____	
Former:	UST	Gasoline	6000	10-17-00
	UST	Diesel	6000	10-17-00
	UST	Gasoline	3000	10-17-00

B. SUSPECTED RELEASE INFORMATION

Complete only this section and sections E through G as appropriate when the situation of a suspected release has occurred and it was documented that a release had not occurred.

Date suspected release discovered: _____ Reason release suspected: _____

Date suspected release reported to TNRCC: _____ Reported to: _____

Possible source(s) of release: (check all that apply) Tanks: ☐ USTs ☐ ASTs ☐ Piping ☐ Overfills/spills ☐ Unknown
☐ Other: _____

Type of substance(s) suspected released: (check all that apply) ☐ Gasoline ☐ Diesel ☐ Used Oil ☐ Aviation Gasoline
☐ Jet Fuel (type: _____) ☐ Alcohol-blended fuel (Type and percentage of alcohol: _____)
☐ Other: (be specific) _____

Were UST/AST system tank and/or line tightness tests performed? ☐ YES or ☐ NO (check one) If yes, attach test data and results.
Did the tests indicate that all tanks and piping were tight? ☐ YES or ☐ NO (check one) If No, specify the portion of the tank system(s) that were found not to be tight: _____

Were any repairs conducted on the tank system(s)? ☐ YES or ☐ NO (check one) If yes, describe type(s) and location of repairs: _____

Were tightness tests performed after repairs were conducted? ☐ YES or ☐ NO (check one) If yes, attach test data and results.
Did the tests indicate that the repaired items were tight? ☐ YES or ☐ NO If No, specify the portion of the tank system(s) that were found not to be tight: _____

Were any soil confirmation samples collected? ☐ YES or ☐ NO (check one) If yes, were all potential source areas investigated?
☐ YES or ☐ NO If samples were collected, attach descriptions of sample locations, collection methods, and laboratory results.

Were any groundwater confirmation samples collected? ☐ YES or ☐ NO (check one) If yes, were all potential source areas investigated?
☐ YES or ☐ NO If samples were collected, attach descriptions of sample locations, collection methods, aquifer name, and laboratory results. (Groundwater sampling is not required at this point unless there is reasonable suspicion of impact.)

CONFIRMED RELEASE INFORMATION
Complete this section only if a release was confirmed.

Date release confirmed: 10-25-00 Date release reported to TNRCC: 10-27-00 Reported to: Paula Gonzales

Is this the first release from a UST or AST discovered at this site? ☒ YES ☐ NO

Is there any other contamination or potential impacts to human health from any source other than the tank systems at this site?

☐ YES ☒ NO If yes, indicate type and location of contamination:

Reported to TNRCC by: T. N. Marshall Representing: S. T. Marshall & Son Const. Inc.

Method of release discovery:

- ☒ Samples collected during tank removal-from-service activities ☐ Impact to utility line
☐ Samples collected during other tank system construction activities ☐ Impact to surface water
☐ Samples collected during release determination investigation ☐ Impact to water well
☐ Other: _____

Method of release confirmation: (check all that apply)

☒ Soil samples ☐ Groundwater samples ☐ Surface water samples ☐ Documentation of presence of NAPL

Source(s) of release: (check all that apply) Tanks: ☒ USTs ☐ ASTs ☒ Piping ☒ Overfills/spills ☐ Unknown

☐ Other: _____

Substance(s) released: (check all that apply) ☒ Gasoline ☒ Diesel ☐ Used Oil ☐ Aviation Gasoline

☐ Alcohol-blended fuel (Type and percentage of alcohol: _____)

☐ Jet Fuel (type: _____) ☐ Other: (be specific) _____

Amount of product released: Unknown Chemical Abstract Service registry #: _____ (for hazardous substances)

Were any soil confirmation samples collected? ☒ YES or ☐ NO (check one) If yes, attach descriptions of sample locations, collection methods and laboratory results.

Type of native soil: (check one) ☒ Clay or silt ☐ Sand, gravel or rock

Were any groundwater confirmation samples collected? ☐ YES or ☒ NO (check one) If yes, attach descriptions of sample locations, collection methods, aquifer name, and laboratory results.

Known Impact(s): (check all that apply) ☒ Soil ☐ GW ☐ Surface Water ☐ Subsurface Utilities - type: _____

☐ Buildings ☐ Water wells ☐ Other sensitive receptors: _____

Was the land owner (if different from the tank owner) notified of the contamination? ☐ YES or ☐ NO (check one) If Yes, attach copy of the letter which provided the notification. If No, documentation that notification was provided must be submitted within 30 days from the date the impact is discovered.

Possibly Threatened: (check all that apply) ☒ GW ☐ Surface Water ☐ Subsurface Utilities - type: _____

☐ Buildings ☐ Water wells ☐ Other sensitive receptors: _____

Was NAPL detected (greater than 0.01 feet)? ☐ YES or ☒ NO (check one) If yes, describe how and where it was detected, the thickness detected, and the recovery actions taken: _____

D. ABATEMENT MEASURES

Were abatement measures initiated to stop the release or to recover the released substance? ☒ YES or ☐ NO (check one) If yes, describe the abatement and/or recovery measures taken and the dates and duration of the activities: _____

Were UST/AST system tank and/or line tightness tests performed? ☐ YES or ☐ NO (check one) If yes, attach test results.

Did the tests indicate that all tanks and piping were tight? ☐ YES or ☐ NO If No, specify the portion of the tank system(s) that were found not to be tight: _____

Were any repairs conducted on the tank system(s)? ☐ YES or ☐ NO (check one) If yes, describe type(s) and location of repairs: _____

Were tightness tests performed after repairs were conducted? ☐ YES or ☐ NO (check one) If yes, attach test results.

Did the tests indicate that the repaired items were tight? ☐ YES or ☐ NO If No, specify the portion of the tank system(s) that were found not to be tight: _____

E. FIRE/OTHER OFFICIALS

Were any other officials notified? ☐ YES ☐ NO (check one) If Yes, indicate:

<u>Name</u>	<u>Representing</u>	<u>Phone number</u>	<u>Date(s) Notified</u>
Fire Marshall Blank	City of Houston	713-535-7602	10-17-00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Were any directives issued by the fire or other officials? ☐ YES ☒ NO If Yes, describe directives and actions taken in response to the directive: _____

F. WASTE DISPOSITION

Indicate the status of all wastes and other materials generated:

<u>Type of waste (soil, water, product)</u>	<u>Quantity</u>	<u>Current location</u>	<u>Method and location of disposal or treatment</u>
Product, Water & Rinsate	1262	Offsite	Recycled at US Filter Recovery Baytown, Texas
_____	_____	_____	_____
_____	_____	_____	_____

G. REPORT PREPARATION

A Licensed On-Site Supervisor may complete and sign this form when the supervisor is acting in an approved capacity for tank removal-from-service or tank system repair activities.

Licensed On-Site Supervisor: T. N. Marshall ILP Reg. No.: 000095 Exp. Date: 12-02-00

Company: S. T. Marshall & Son Const. Inc.

Telephone No.: 713-674-2497 FAX No.: 713-674-4060

Based on the results of the site investigation and the additional information presented herein, I certify that the site investigation activities performed either by me, or under my direct supervision, including subcontracted work, were conducted in accordance with accepted industry standards/practices and further, that all such tasks were conducted in compliance with applicable TNRCC published rules, guidelines and the laws of the State of Texas. I have reviewed the information included within this report, and consider it to be complete, accurate and representative of the conditions discovered during the site investigation. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report, I may be subject to administrative, civil, and/or criminal penalties.

Signature: [Signature] Date: 11-20-00

OR

Project Manager: T. N. Marshall PM Reg. No.: 00408 Exp. Date: 12-29-00

Company: S. T. Marshall & Son Const. Inc.

Telephone No.: 713-674-2497 FAX No.: 713-674-4060

Based on the results of the site investigation and the additional information presented herein, I certify that the site investigation activities performed either by me, or under my direct supervision, including subcontracted work, were conducted in accordance with accepted industry standards/practices and further, that all such tasks were conducted in compliance with applicable TNRCC published rules, guidelines and the laws of the State of Texas. I have reviewed the information included within this report, and consider it to be complete, accurate and representative of the conditions discovered during the site investigation. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report, I may be subject to administrative, civil, and/or criminal penalties.

PM Signature: [Signature] Date: 11-20-00

AND

CAS Representative: T. N. Marshall CAS Reg No.: 00140 Exp. Date: 11-29-00

Company: S. T. Marshall & Son Const. Inc.

Telephone No.: 713-674-2497 FAX No.: 713-674-4060

By my signature affixed below, I certify that I am the duly authorized representative of the Correction Action Specialist named and that I have personally reviewed the site investigation results and other relevant information presented herein and considered them to be in accordance with accepted standards/practices and in compliance with the applicable TNRCC published rules, guidelines and the laws of the State of Texas. Further, that the information presented herein is considered complete, accurate and representative of the conditions discovered during the site investigation. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report, I may be subject to administrative, civil, and/or criminal penalties.

Signature of CAS Representative: [Signature] Date: 11-20-00

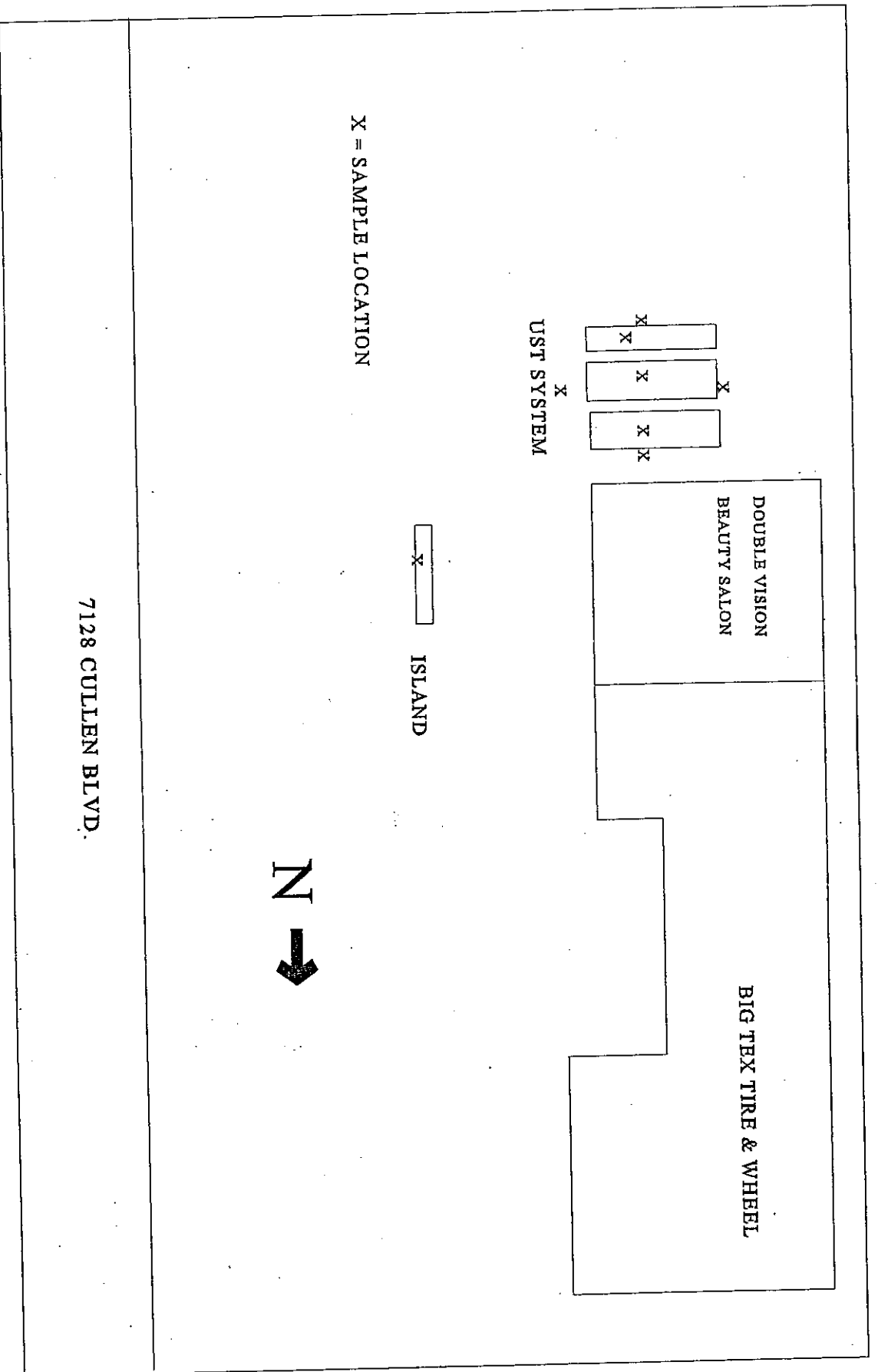
If the CAS or On-Site Supervisor does not complete and sign this form, provide the following information on the person who has prepared the form:

Name: _____ Company: _____
Telephone No.: _____ FAX No.: _____
Signature: _____ Date: _____

Name of Tank Owner or Operator contact: _____
Telephone No.: _____ FAX No.: _____

By my signature affixed below, I certify that I have reviewed this report for accuracy and completeness of information regarding points of contact and the facility and storage tank system history and status. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report related to the contact information, and the facility and storage tank system history and status information, I may be subject to administrative, civil, and/or criminal penalties. I attest that I have reviewed this report for accuracy and completeness. I understand that I am responsible for addressing this matter.

Signature: [Signature] Date: 11-21-00



BIG TEX TIRE & WHEEL
Facility ID No. NL 90116
7128 Cullen Blvd.
Houston, Texas 77021

S. T. MARSHALL & SON CONST. INC.

SINCE 1952

4520 O. S. T. WEST DR. HOUSTON, TEXAS 77013

CRP000243

(713) 674-2497 FAX (713) 674-4060

RCAS00140

October 5, 2000

Ms. LaJuan Julun
TNRCC, Region 12, PST
5425 Polk Avenue
Houston, Texas

Ref: Big Tex Tire & Wheel Co.
7128 Cullen
Houston, Texas 77021

Big Tex Tire & Wheel Co. request a waiver of the Thirty Day Construction Notification for the removal of the underground storage tank system at the above referenced site. The site is no longer a service station and the property is being renovated to accommodate other businesses.

S. T. Marshall & Son Const. Inc. has been contracted to remove the UST system. The removal is planned for the week of 10/09/00. T. N. Marshall will be in contact with you to make arrangements for the planned removal. A copy of the submitted construction notification is attached, if you need additional information or have any questions, please contact T. N. Marshall at 713-674-2497.

Thank you for your time and consideration of the is matter.

T. N. Marshall
President
ILP000095
CAPM00408



Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

October 9, 2000

MS VICTORIA R DAVIS
BIG TEX TIRE AND WHEEL
7128 CULLEN BLVD
HOUSTON TX 77021

Re: UST removal at **BIG TEX TIRE AND WHEEL, 7128 CULLEN BLVD, HOUSTON, TX**: Activity scheduled on 11/02/2000; TNRCC UST Facility No. NL90116: Notification received by TNRCC on 09/19/2000.

DEAR MS DAVIS:

This letter acknowledges receipt by the Texas Natural Resource Conservation Commission (TNRCC) of notification for the referenced underground storage tank (UST) construction activity, as required by 30 TAC §334.6.

This letter does not constitute an official approval, permit or endorsement for the referenced activity or for any associated construction methods or equipment. A copy of your notification has been sent to the TNRCC regional office indicated below. The time and scope of this activity must be confirmed with the regional UST personnel 24 to 72 hours before the activity in order to arrange an inspection. Any rescheduling of the proposed construction must be coordinated and/or approved by authorized regional personnel.

Technical requirements which apply to various UST construction activities are included in 30 TAC §334, Subchapter C. Also, all UST installations, repairs, and removals must be conducted by a registered UST contractor who has a licensed installer or on-site supervisor at the site during all critical junctures, as required by 30 TAC Chapter 334, Subchapter I.

Upon completion of construction, the attached UST Registration and Self-Certification form must be completed and returned to the referenced address on the form. For further assistance, please contact the PST Registration Team, at (512)239-2001, or the TNRCC regional UST personnel indicated below.

Sincerely,

A handwritten signature in cursive script that reads "Mandi Boecker".

Mandi Boecker
Registration Coordinator
Registration, Review, and Reporting Division

Enclosures: TNRCC UST Registration & Self-Certification Form

M11002015/on-time



Texas Natural Resource Conservation Commission

[Rules](#) | [Calendar](#) | [Publications](#) | [Forms](#) | [About TNRCC](#) | [Help](#)

	Index	Agency	Search	Home
See Also:	LPST Database Query		Reimbursement Database Query	
	PST Technical and Registration Assistance		Back to PST Registration Database Query Home Page	

LPST Database Query Results

The data was last updated on September 16, 2004.

LPST ID #: 115103	Facility ID #: 0073720
Facility Name: BIG TEX TIRE & WHEEL	
Discovered: 10/25/2000	Reported: 10/27/2000
Facility Address: 7128 CULLEN BLVD , HOUSTON 77021-	
County: Harris	
TNRCC Region Number and City: 12, Houston	
Federal Facility?: N	
Responsible Party: BIG TEX TIRE & WHEEL	
Address: 7128 CULLEN BLVD , HOUSTON, TX 77021-	
Contact: MS VICTORIA DAVIS,	Phone: 713 747-4488
Priority Code and Description: 3.1, GW IMPACT, PUB/DOM WATER SUPPLY WELL W/IN .25 - .5mi	
Status Code and Description: 6P, FINAL CONCURRENCE PENDING DOCUMENTATION OF WELL PLUGGING	
Water Contaminated?: N	Depth to Water: 15
Coordinators: Primary: 1P/1 RPR: SLW DISTRICT:	

Glossaries of terms used in the [Correspondence Type](#), [TNRCC Action](#), and [Staff](#) columns.

Correspondence						
Correspondence Type	Correspondence Date	Last Action	Current Coord.	TNRCC Action	Action Date	TNRCC Staff
REL DET	12/28/2000			LAD	2/20/2001	LLD
RBA	8/1/2001			REJ TECH	8/31/2001	SKD
SCR	8/1/2001			REJ TECH	8/31/2001	SKD
PROP ACT13	8/1/2001			REJ TECH	8/31/2001	SKD
MES	10/1/2001			RR	2/7/2002	MTM
SCR	10/31/2001			REJ TECH	2/7/2002	MTM
				REF - PRIV	1/15/2002	REE
TECH RESP	9/16/2002			RR	9/30/2002	SLW

MONIT ANNL 12/12/2002
 SCR 12/12/2002

NLR 1/27/2003 SLW
 FINAL 1/27/2003 SLW

Corrective Action Response Forms	
LPST ID: 115103	CARF Sequence Number : 1
Applicant: S.S. BANDYOPADHYAY	
Activity: 11-1 SITE CLOSURE	
Corrective Action Project Manager: CAPM00572	
Corrective Action Specialist: RCAS00476 BANDY & ASSOCIATES, INC.	
Request by:	Serving as:
TNRCC Reviewer: SKD	
Preapproval Proposal Date: 7/27/2001	TNRCC Response Date: 8/31/2001
Proposed Amount: \$ 0.00	Approved Amount: \$ 0.00
Approved/Not Approved: not approved for these technical reasons:	
<p>TNRCC Technical Response: The TNRCC has received and reviewed your Risk Based Assessment (RBA) Report Form and Site Closure Request (SCR) Form dated July 27, 2001. Currently, site closure cannot be granted. One year of groundwater monitoring is required for your site in order to verify contaminant plume size and stability. Please institute a quarterly groundwater monitoring schedule to sample the wells onsite for BTEX/MTBE, TPH, and PAH if a TPH test records a level higher than previously displayed. At this time, your RBA is considered incomplete. Please address the following concerns: 1.) The Vapor Assessment of Worksheet 9.0 was not sufficient and did not address the Lower Explosive Limit (LEL) concentrations for this site. Additionally, Attachment 11 of Vapor Contaminant Concentration Map was not included with this report. 2.) Although it appears correct, the Slug Test provided is not adequate to demonstrate the correct well yield. Because of the inaccuracies of this method, this office requires that three (3) separate wells be tested one time each and then determine an average of the three. If this method is selected, MW-1, MW-3, and MW-4 should be utilized to perform this test due to their distance from each other. Please present the data in such a way that the sand and gravel pack volumes are taken into account. Also, please discuss the decision to select 6.5 inch casing for all four (4) wells. 3.) If available, please identify any cementing data for the 0.5 mile radius located water wells. The provided reports were void of any such information. 4.) For future submittals, please communicate to the delegated laboratory for analytical analysis that a specific temperature must be assigned to the samples received as opposed to a generic term such as "cool." This type of designation is not a qualifying expression and will jeopardize the validity of subsequent samples. Please include closure criteria flowcharts from the February 10, 1997 TNRCC interoffice memorandum entitled "Process for Closure Evaluation for Petroleum Hydrocarbon LPST Sites Exceeding Target Concentrations." These flowcharts will help direct future corrective action at this site. Please see and follow the TNRCC publication RG-175 to insure that all work is done in accordance with TNRCC regulations. Close communication with this office must be maintained in order to insure all work done on this site is applicable in carrying this site to closure.</p>	

Run a new query.

9/27/2004



Tolunay-Wong
Engineers, Inc.
Houston, Texas

RECORD OF COMMUNICATION

PAGE 1 OF 1

PROJECT: Phase I ESA 4500 block Swanson

PROJECT NO.: 04-E009-6

CLIENT: CoH

DATE: September 29, 2004

TELEPHONE #: 713-532-1730

NAME OF CONTACT: David George, CoH surveyor

TIME OF CONTACT: a.m.

DESCRIPTION (WHAT WAS SAID)

Mr. Chamberlain of TWEI talked to Mr George at the Site. Mr. George stated that the building to the west of the Site was a former CoH Health Department building. He further stated that the property east of the Site was a former dumping site for fill material and he believed that the property was owned by CoH. Mr. George also said that he thout Swanson Street used to continue east of London Street, where it now ends.



Tolunay-Wong
Engineers, Inc.
Houston, Texas

RECORD OF COMMUNICATION

PAGE 1 OF 1

PROJECT: Phase I ESA 4500 block Swanson

PROJECT NO.: 04-E009-6

CLIENT: CoH

DATE: September 29, 2004

TELEPHONE #: 713-748-0337

NAME OF CONTACT: Al Lloyd, Owner Lloyd's Care

TIME OF CONTACT: a.m.

DESCRIPTION (WHAT WAS SAID)

Mr. Chamberlain talked with Al Lloyd, owner of Lloyd's Auto Care. Mr. Lloyd stated that he had owned his business for a little over one year and that he had seen CoH trucks at the vacant building on the SE corner of Swanson and Cullen. He had also seen personnel removing medical equipment from the building. Mr. Lloyd also said that Big Z is the owner of the property east of London Street.



**Tolunay-Wong
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Houston, Texas

RECORD OF COMMUNICATION

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PROJECT: Phase I ESA 4500 block Swanson

PROJECT NO.: 04-E009-6

CLIENT: CoH

DATE: October 5, 2004

TELEPHONE #: 713-747-4488

NAME OF CONTACT: Ms. Victoria Davis, Owner Big Tex Tire and Wheel

TIME OF CONTACT: a.m.

DESCRIPTION (WHAT WAS SAID)

Mr. Chamberlain, TWEI. Spoke with Ms. Davis regarding the former USTs at Big Tex. Ms Davis confirmed what was found in the TCEQ file review. Tanks were removed in 2000. Groundwater monitoring was conducted and closure was granted by the TCEQ in 2003.

Mr. Chamberlain asked Ms. Davis if she knew anything about the empty property immediately east of the Site. She said that at one time Big Z had a building on the property but it is not there anymore (this is true according to the field reconnaissance) A garage was formerly at or near Branch and London but burned and was never rebuilt. Ms. Davis offered no date for the fire.



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RECORD OF COMMUNICATION

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PROJECT: Phase I ESA 4500 block Swanson

PROJECT NO.: 04-E009-6

CLIENT: CoH

DATE: October 5, 2004

TELEPHONE #: 713-748-1730

NAME OF CONTACT: Terry Ziegler, Owner Big Z Lumber

TIME OF CONTACT: a.m.

DESCRIPTION (WHAT WAS SAID)

Mr. Ziegler said that Big Z owns the property on the east side of London Street almost half way to Branch. Big g Z uses this as a back entrance to their property for tractor trailer trucks and large equipment. Big Z has not built anything on it because they haven't decided how to best use the property. The property is higher and mounded because they allowed developers for the UT Health Sciences Nuclear Medicine building project to place excess excavated soil on the site in the last year. Mr. Ziegler said that there is nothing buried on the lot to his knowledge. Big Z has been at this location for 20 years.

